

The image shows three Siemens RuggedCOM industrial networking devices. In the foreground, a RUGGEDCOM RX1510 is visible, featuring a USB port, console port, alarm indicator, and multiple Ethernet ports. Behind it, a RUGGEDCOM RX1400 is shown, equipped with four antennas, power, alarm, and cell status indicators, and various input/output ports. A third unit is partially visible in the background. The devices are black with a ruggedized design, including ventilation grilles and secure locking mechanisms.

**SIEMENS**

# RUGGEDCOM Multi-Service Platforms Ordering Overview

Modular Managed Layer 2 and 3  
Ethernet Switches and Routers

Ordering  
Overview

07/2017

[siemens.com/ruggedcom](http://siemens.com/ruggedcom)

The RUGGEDCOM Multi-Service Platforms include a rich array of carrier grade features designed and tested to withstand the demands of the harsh environments.

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## RUGGEDCOM Selector

The RUGGEDCOM Multi-Service Platforms are specifically designed to operate reliably in industrially harsh environments. These products meet and exceed recognized industry standards (e.g. IEC 61850-3, IEEE 1613, NEMA TS 2) for ruggedness and communications performance. They are ideally suited for mission critical real-time control applications requiring high levels of reliability and availability.



With the RUGGEDCOM Selector you can transfer the order number to the Siemens Industry Mall and order your products.

To use the RUGGEDCOM Selector for the selection and configuration of RUGGEDCOM products, visit: [siemens.com/ruggedcom-selector](https://www.siemens.com/ruggedcom-selector)

For information on wireless approvals, visit: [siemens.com/wireless-approvals](https://www.siemens.com/wireless-approvals)



# RUGGEDCOM RX1400

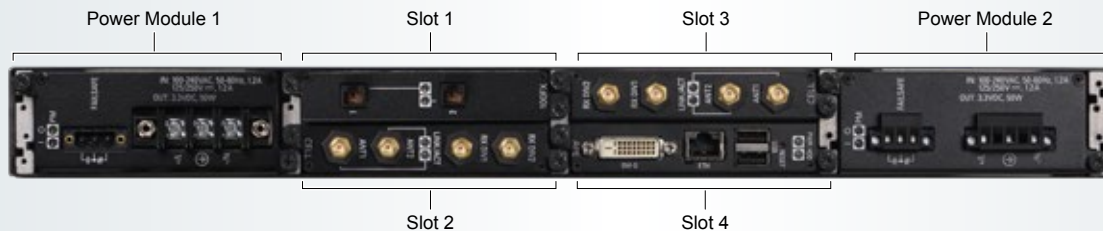


| Product                                               | Article number |   |   |   |   |   |   |   |   |  |
|-------------------------------------------------------|----------------|---|---|---|---|---|---|---|---|--|
| RUGGEDCOM RX1400                                      | 6GK6014-0AM2   | . | - | 0 | . | A | . | - | Z |  |
| Power supply 1                                        |                |   |   |   |   |   |   |   |   |  |
| +/- 12-24 VDC (9 - 36 VDC)                            |                | 1 |   |   |   |   |   |   |   |  |
| +/- 48 VDC (36-72 VDC)                                |                | 2 |   |   |   |   |   |   |   |  |
| HI (88 – 264 VAC / 98 – 300 VDC )                     |                | 3 |   |   |   |   |   |   |   |  |
| Mounting kit                                          |                |   |   |   |   |   |   |   |   |  |
| No mounting option                                    |                |   |   |   |   | A |   |   |   |  |
| DIN rail mounting kit                                 |                |   |   |   |   | B |   |   |   |  |
| Panel mounting kit                                    |                |   |   |   |   | C |   |   |   |  |
| 19" rack mounting kit                                 |                |   |   |   |   | D |   |   |   |  |
| Manufacturing modification                            |                |   |   |   |   |   |   |   |   |  |
| None                                                  |                |   |   |   |   |   |   | 0 |   |  |
| Conformal coating                                     |                |   |   |   |   |   |   | 1 |   |  |
| Conformal coating with IECEx and ATEX zone 2 approval |                |   |   |   |   |   |   | 2 |   |  |

| Example                                                                                                                                                                                                                                            | Order code                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| RUGGEDCOM RX1400 with +/- 12-24 VDC (9-36 VDC) power supply, DIN rail mounting, modem for North America (Verizon), wireless LAN for United States of America, standard RJ45 ports, Layer 3 standard edition software, two ANT1096-4MA and VPE1400. | 6GK60140AM21-0BA0-Z<br>A03 + B01 + C00 + D00 + E00 + F00 + G02 + V01 |

| Z-options                                                                        |        |        |
|----------------------------------------------------------------------------------|--------|--------|
| Cellular modems                                                                  |        |        |
| Without modem                                                                    | A00    |        |
| Modem for Europe                                                                 | A01    |        |
| Modem for North America (AT&T, Rogers, Bell, Telus)                              | A02    |        |
| Modem for North America (Verizon)                                                | A03    |        |
| Modem for Asia Pacific                                                           | A04    |        |
| Modem for Japan                                                                  | A05    |        |
| Wireless LAN interfaces                                                          |        |        |
| No wireless LAN                                                                  | B00    |        |
| Wireless LAN for United States of America only                                   | B01    |        |
| Wireless LAN for the rest of the world                                           | B02    |        |
| SFP Interfaces                                                                   | Port 5 | Port 6 |
| Without SFP                                                                      | C00    | D00    |
| SFP, multi-mode, 500 m, 850 nm, 1000BASE-SX (-20° C to +85° C)                   | C01    | D01    |
| SFP, single-mode, 10 km, 1310 nm, 1000BASE-LX (-40° C to +85° C)                 | C02    | D02    |
| SFP, single-mode, 25 km, 1310 nm, 1000BASE-LX (-40° C to +85° C)                 | C03    | D03    |
| SFP, single-mode, 40 km, 1550 nm, 1000BASE-ZX (-20° C to +85° C)                 | C04    | D04    |
| SFP, single-mode, 70 km, 1550 nm, 1000BASE-ZX (-20° C to +85° C)                 | C05    | D05    |
| SFP, single-mode,100 km, 1550 nm, 1000BASE-ZX (0° C to +70° C)                   | C06    | D06    |
| SFP, single-mode, 10 km, 1310 nm TX / 1490 nm RX, 1000BASE-BX (-40° C to +85° C) | C07    | D07    |
| SFP, single-mode, 40 km, 1310 nm TX / 1490 nm RX, 1000BASE-BX (-40° C to +85° C) | C08    | D08    |
| SFP, single-mode, 10 km, 1490 nm TX / 1310 nm RX, 1000BASE-BX (-40° C to +85° C) | C09    | D09    |
| SFP, single-mode, 40 km, 1490 nm TX / 1310 nm RX, 1000BASE-BX (-40° C to +85° C) | C10    | D10    |
| SFP, multi-mode, 2 km, 1310 nm, 100BASE-FX (-40° C to +85° C)                    | C11    | D11    |
| SFP, copper, 100 m, 10/100/1000 MBit/s, (0° C to +70° C)                         | C12    | D12    |
| RJ45-ports                                                                       |        |        |
| Standard RJ45 ports                                                              | E00    |        |
| Secure collar for FastConnect cables                                             | E01    |        |
| Software                                                                         |        |        |
| L3SEL = Layer 3 standard edition                                                 | F00    |        |
| L3SECL = Layer 3 security edition                                                | F01    |        |
| Cellular antenna                                                                 |        |        |
| Without antenna                                                                  | G00    |        |
| Single ANT1096-4MA (direct connect LTE swivel antenna)                           | G01    |        |
| Dual ANT1096-4MA (direct connect LTE swivel antenna)                             | G02    |        |
| Virtual Processing Engine (VPE1400)                                              |        |        |
| Without VPE1400                                                                  | V00    |        |
| With VPE1400                                                                     | V01    |        |
| With VPE1400 and MindConnect                                                     | V02    |        |

# RUGGEDCOM RX1500



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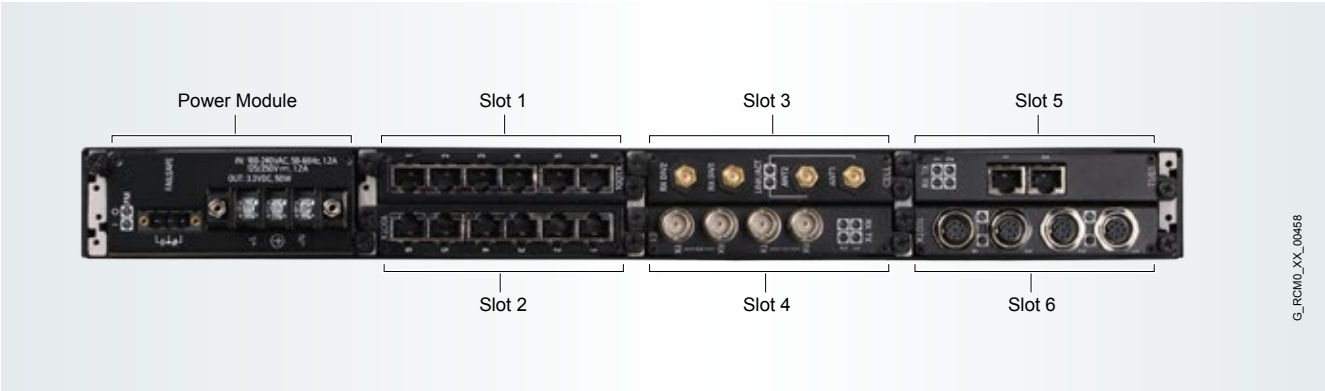
| Product                                                                | Article number |   |   |   |   |   |   |   |   |   |
|------------------------------------------------------------------------|----------------|---|---|---|---|---|---|---|---|---|
| RUGGEDCOM RX1500                                                       | 6GK6015-0AM2   | . | - | . | . | . | . | . | - | Z |
| Power module 1 (PM 1)                                                  |                |   |   |   |   |   |   |   |   |   |
| No power module 1                                                      |                | 0 |   |   |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with screw terminal block                           |                | 1 |   |   |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with screw terminal block                           |                | 2 |   |   |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block       |                | 3 |   |   |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with pluggable terminal block                       |                | 4 |   |   |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with pluggable terminal block                       |                | 5 |   |   |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with pluggable terminal block   |                | 6 |   |   |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with screw terminal block                            |                | 7 |   |   |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with pluggable terminal block                        |                | 8 |   |   |   |   |   |   |   |   |
| Power module 2 (PM 2) – terminal block must be equal to power supply 1 |                |   |   |   |   |   |   |   |   |   |
| No power module 2                                                      |                |   |   | 0 |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with screw terminal block                           |                |   |   | 1 |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with screw terminal block                           |                |   |   | 2 |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block       |                |   |   | 3 |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with pluggable terminal block                       |                |   |   | 4 |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with pluggable terminal block                       |                |   |   | 5 |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with pluggable terminal block   |                |   |   | 6 |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with screw terminal block                            |                |   |   | 7 |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with pluggable terminal block                        |                |   |   | 8 |   |   |   |   |   |   |
| Mounting options                                                       |                |   |   |   |   |   |   |   |   |   |
| No mounting option                                                     |                |   |   |   |   |   | A |   |   |   |
| 19" rack mounting kit                                                  |                |   |   |   |   |   | D |   |   |   |
| DIN and panel mounting kit                                             |                |   |   |   |   |   | E |   |   |   |
| Switching hardware                                                     |                |   |   |   |   |   |   |   |   |   |
| Layer 2 switch                                                         |                |   |   |   |   |   | B |   |   |   |
| Layer 3 switch                                                         |                |   |   |   |   |   | C |   |   |   |
| Manufacturing modification                                             |                |   |   |   |   |   |   |   |   |   |
| None                                                                   |                |   |   |   |   |   |   |   | 0 |   |
| Conformal coating                                                      |                |   |   |   |   |   |   |   | 1 |   |

| Example                                                                                                                                                                                                                                                                                                                       | Order code                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| RUGGEDCOM RX1500 with high voltage (88-300 VDC / 85-264 VAC) power supply with screw terminal block, 24 VDC (15-36 VDC) power supply with screw terminal block, 19" rack mounting option, Layer 3 switch, Layer 3 security edition, 6 x 10/100BASE-TC RJ45, 6 x 100BASE-FX SFP, blank (no transceiver) and two blank modules. | 6GK015-0AM23-1DC0-Z<br>B01 + C26 + D00 + E00 |

| Z options for software                                |     |
|-------------------------------------------------------|-----|
| Layer 2 standard edition                              | A00 |
| Layer 3 standard edition (only with Layer 3 hardware) | A01 |
| Layer 3 standard edition (only with Layer 2 hardware) | A02 |
| Layer 3 security edition (only with Layer 3 hardware) | A03 |
| Layer 3 security edition (only with Layer 2 hardware) | A04 |

| Z options                                                                                                | Slot 1 | Slot 2 | Slot 3 | Slot 4 |
|----------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|
| Blank module                                                                                             | B00    | C00    | D00    | E00    |
| 6 x 10/100BASE-TX RJ45                                                                                   | B01    | C01    | D01    | E01    |
| 2 x 10/100/1000BASE-TX RJ45                                                                              | B02    | C02    | D02    | E02    |
| 6 x Serial RS232 / RS422 / RS485 with RJ45                                                               | B03    | C03    | D03    | E03    |
| 3 x 10BASE-FL / 100BASE-SX, multi-mode, 850 nm, ST, 2 km                                                 | B15    | C15    | D15    | E15    |
| 4 x 100BASE-FX, multi-mode, 1300 nm, LT, 2 km                                                            | B16    | C16    | D16    | E16    |
| 4 x 100BASE-FX SFP, blank (no optical transceiver)                                                       | B21    | C21    | D21    | E21    |
| 6 x 100BASE-FX SFP, blank (no optical transceiver)                                                       | B26    | C26    | D26    | E26    |
| 2 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km                                                         | B33    | C33    | D33    | E33    |
| 2 x 1000BASE-LX SFP, blank (no optical transceiver)                                                      | B36    | C36    | D36    | E36    |
| 1 x T1/E1 RJ48 (channelized/unchannelized)                                                               | B41    | C41    | D41    | E41    |
| 2 x T1/E1 RJ48 (channelized/unchannelized)                                                               | B42    | C42    | D42    | E42    |
| 4 x T1/E1 RJ48 (channelized/unchannelized)                                                               | B43    | C43    | D43    | E43    |
| 2 x E1 (75 Ohm) BNC (channelized/unchannelized)                                                          | B45    | C45    | D45    | E45    |
| 1 x Cellular (GSM/EDGE/HSPA)                                                                             | B46    | C46    | D46    | E46    |
| 2 x Cellular (GSM/EDGE/HSPA)                                                                             | B47    | C47    | D47    | E47    |
| 1 x Cellular (EVDO rev. A, Verizon USA)                                                                  | B48    | C48    | D48    | E48    |
| 2 x Cellular (EVDO rev. A, Verizon USA)                                                                  | B49    | C49    | D49    | E49    |
| 2 x Cellular (GSAM/EDGE/HSPA/EVDO rev. A, Verizon USA)                                                   | B50    | C50    | D50    | E50    |
| 1 x DDS RJ48 (56K Master/Slave 64K Slave)                                                                | B51    | C51    | D51    | E51    |
| APE1402 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Linux)                                                  | B52    | C52    | D52    | E52    |
| APE1402W7 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Windows 7 Embedded)                                   | B53    | C53    | D53    | E53    |
| APE1404 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Linux)                                                 | B54    | C54    | D54    | E54    |
| APE1404W7 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Windows 7 Embedded)                                  | B55    | C55    | D55    | E55    |
| APE1404CKP (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Check Point Gaia).<br>Requires Check Point License. | B56    | C56    | D56    | E56    |
| 2 x 10/100/1000BASE-TX M12 (8-pin)                                                                       | B57    | C57    | D57    | E57    |
| 4 x 10/100BASE-TX M12 (8-pin)                                                                            | B58    | C58    | D58    | E58    |
| 4 x 10/100BASE-TX M12 (4-pin)                                                                            | B59    | C59    | D59    | E59    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin)                                                | B60    | C60    | D60    | E60    |
| 4 x 10/100BASE-TX M12 with controlled bypass (8-pin)                                                     | B61    | C61    | D61    | E61    |
| 4 x 10/100BASE-TX M12 with controlled bypass (4-pin)                                                     | B62    | C62    | D62    | E62    |
| 2 x 10/100/1000BASE-TX M12 (8-pin, X-coded)                                                              | B63    | C63    | D63    | E63    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin, X-coded)                                       | B64    | C64    | D64    | E64    |
| 1 x 4G/LTE for usage in European Union (EU)                                                              | B65    | C65    | D65    | E65    |
| 1 x 4G/LTE for usage in USA & Canada (AT&T/Rogers/Telus/Bell)                                            | B66    | C66    | D66    | E66    |
| 1 x 4G/LTE for usage in USA (Verizon)                                                                    | B67    | C67    | D67    | E67    |
| 1 x 4G/LTE for usage in Asia Pacific                                                                     | B68    | C68    | D68    | E68    |

# RUGGEDCOM RX1501



| Product                                                              | Article number |   |   |   |   |   |   |   |   |  |
|----------------------------------------------------------------------|----------------|---|---|---|---|---|---|---|---|--|
| RUGGEDCOM RX1501                                                     | 6GK6015-0BM2   | . | - | 0 | . | . | . | - | Z |  |
| Power module (PM)                                                    |                |   |   |   |   |   |   |   |   |  |
| No power module                                                      |                | 0 |   |   |   |   |   |   |   |  |
| 24 VDC (15-36 VDC) with screw terminal block                         |                | 1 |   |   |   |   |   |   |   |  |
| 48 VDC (36-72 VDC) with screw terminal block                         |                | 2 |   |   |   |   |   |   |   |  |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block     |                | 3 |   |   |   |   |   |   |   |  |
| 24 VDC (15-36 VDC) with pluggable terminal block                     |                | 4 |   |   |   |   |   |   |   |  |
| 48 VDC (36-72 VDC) with pluggable terminal block                     |                | 5 |   |   |   |   |   |   |   |  |
| High voltage (88-300 VDC / 85-264 VAC) with pluggable terminal block |                | 6 |   |   |   |   |   |   |   |  |
| 12 VDC (9-15 VDC) with screw terminal block                          |                | 7 |   |   |   |   |   |   |   |  |
| 12 VDC (9-15 VDC) with pluggable terminal block                      |                | 8 |   |   |   |   |   |   |   |  |
| Mounting options                                                     |                |   |   |   |   |   |   |   |   |  |
| No mounting option                                                   |                |   |   |   |   | A |   |   |   |  |
| 19" rack mounting kit                                                |                |   |   |   |   | D |   |   |   |  |
| DIN and panel mounting kit                                           |                |   |   |   |   | E |   |   |   |  |
| Switching hardware                                                   |                |   |   |   |   |   |   |   |   |  |
| Layer 2 switch                                                       |                |   |   |   |   |   | B |   |   |  |
| Layer 3 switch                                                       |                |   |   |   |   |   | C |   |   |  |
| Manufacturing modification                                           |                |   |   |   |   |   |   |   |   |  |
| None                                                                 |                |   |   |   |   |   |   | 0 |   |  |
| Conformal coating                                                    |                |   |   |   |   |   |   | 1 |   |  |

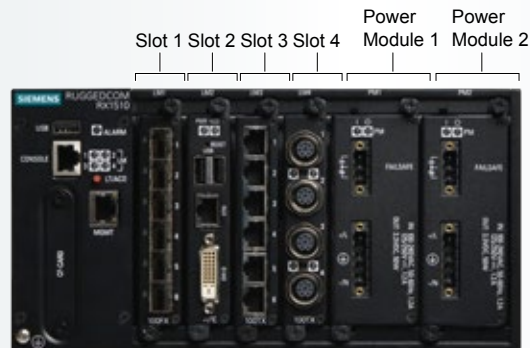
| Example                                                                                                                                                                                                                                                                                                                                       | Order code                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| RUGGEDCOM RX1501 with high voltage (88-300 VDC / 85-264 VAC) power supply with pluggable terminal block, 19" rack mounting option, Layer 2 switch, conformal coating, Layer 2 standard edition, 2 x 1000BASE-LX, single-mode, 1300 nm. LC, 10 km, 6 x 10/100BASE-TC RJ45, 6 x 100BASE-FX SFP, blank (no transceiver) and three blank modules. | 6GK6015-0BM26-0DC1-Z<br>A00 + B33 + C01 + D09 + E00 + F00 + G00 |



| Z options for software                                |     |
|-------------------------------------------------------|-----|
| Layer 2 standard edition                              | A00 |
| Layer 3 standard edition (only with Layer 3 hardware) | A01 |
| Layer 3 standard edition (only with Layer 2 hardware) | A02 |
| Layer 3 security edition (only with Layer 3 hardware) | A03 |
| Layer 3 security edition (only with Layer 2 hardware) | A04 |

| Z options                                                                                             | Slot 1 | Slot 2 | Slot 3 | Slot 4 | Slot 5 | Slot 6 |
|-------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|
| Blank module                                                                                          | B00    | C00    | D00    | E00    | F00    | G00    |
| 6 x 10/100BASE-TX RJ45                                                                                | B01    | C01    | D01    | E01    | F01    | G01    |
| 2 x 10/100/1000BASE-TX RJ45                                                                           | B02    | C02    |        |        |        |        |
| 6 x Serial RS232 / RS422 / RS485 with RJ45                                                            | B03    | C03    | D02    | E02    | F02    | G02    |
| 3 x 10BASE-FL / 100BASE-SX, multi-mode, 850 nm, ST, 2 km                                              | B15    | C15    | D03    | E03    | F03    | G03    |
| Blank module                                                                                          | B00    | C00    | D00    | E00    | F00    | G00    |
| 6 x 10/100BASE-TX RJ45                                                                                | B01    | C01    | D01    | E01    | F01    | G01    |
| 2 x 10/100/1000BASE-TX RJ45                                                                           | B02    | C02    |        |        |        |        |
| 6 x Serial RS232 / RS422 / RS485 with RJ45                                                            | B03    | C03    | D02    | E02    | F02    | G02    |
| 3 x 10BASE-FL / 100BASE-SX, multi-mode, 850 nm, ST, 2 km                                              | B15    | C15    | D03    | E03    | F03    | G03    |
| 4 x 100BASE-FX, multi-mode, 1300 nm, LC, 2 km                                                         | B16    | C16    | D04    | E04    | F04    | G04    |
| 4 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B21    | C21    | D09    | E09    | F09    | G09    |
| 6 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B26    | C26    | D14    | E14    | F14    | G14    |
| 2 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km                                                      | B33    | C33    |        |        |        |        |
| 2 x 1000BASE-LX SFP, blank (no optical transceiver)                                                   | B36    | C36    |        |        |        |        |
| 1 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B41    | C41    | D19    | E19    | F19    | G19    |
| 2 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B42    | C42    | D20    | E20    | F20    | G20    |
| 4 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B43    | C43    | D21    | E21    | F21    | G21    |
| 2 x E1 (75 Ohm) BNC (channelized/unchannelized)                                                       | B45    | C45    | D23    | E23    | F23    | G23    |
| 1 x Cellular (GSM/EDGE/HSPA)                                                                          | B46    | C46    | D24    | E24    | F24    | G24    |
| 2 x Cellular (GSM/EDGE/HSPA)                                                                          | B47    | C47    | D25    | E25    | F25    | G25    |
| 1 x Cellular (EVDO rev. A, Verizon USA)                                                               | B48    | C48    | D26    | E26    | F26    | G26    |
| 2 x Cellular (EVDO rev. A, Verizon USA)                                                               | B49    | C49    | D27    | E27    | F27    | G27    |
| 2 x Cellular (GSAM/EDGE/HSPA/EVDO rev. A, Verizon USA)                                                | B50    | C50    | D28    | E28    | F28    | G28    |
| 1 x DDS RJ48 (56K Master/Slave 64K slave)                                                             | B51    | C51    | D29    | E29    | F29    | G29    |
| APE1402 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Linux)                                               | B52    | C52    | D30    | E30    | F30    | G30    |
| APE1402W7 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Windows 7 Embedded)                                | B53    | C53    | D31    | E31    | F31    | G31    |
| APE1404 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Linux)                                              | B54    | C54    | D32    | E32    | F32    | G32    |
| APE1404W7 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Windows 7 Embedded)                               | B55    | C55    | D33    | E33    | F33    | G33    |
| APE1404CKP (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Check Point Gaia). Requires Check Point license. | B56    | C56    | D34    | E34    | F34    | G34    |
| 2 x 10/100/1000BASE-TX M12 (8-pin)                                                                    | B57    | C57    |        |        |        |        |
| 4 x 10/100BASE-TX M12 (8-pin)                                                                         | B58    | C58    | D36    | E36    | F36    | G36    |
| 4 x 10/100BASE-TX M12 (4-pin)                                                                         | B59    | C59    | D37    | E37    | F37    | G37    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin)                                             | B60    | C60    |        |        |        |        |
| 4 x 10/100BASE-TX M12 with controlled bypass (8-pin)                                                  | B61    | C61    | D61    | E61    | F61    | G61    |
| 4 x 10/100BASE-TX M12 with controlled bypass (4-pin)                                                  | B62    | C62    | D62    | E62    | F62    | G62    |
| 2 x 10/100/1000BASE-TX M12 (8-pin, X-coded)                                                           | B63    | C63    |        |        |        |        |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin, X-coded)                                    | B64    | C64    |        |        |        |        |
| 1 x 4G/LTE for usage in European Union (EU)                                                           | B65    | C65    | D65    | E65    | F65    | G65    |
| 1 x 4G/LTE for usage in USA & Canada (AT&T/Rogers/Telus/Bell)                                         | B66    | C66    | D66    | E66    | F66    | G66    |
| 1 x 4G/LTE for usage in USA (Verizon)                                                                 | B67    | C67    | D67    | E67    | F67    | G67    |
| 1 x 4G/LTE for usage in Asia Pacific                                                                  | B68    | C68    | D68    | E68    | F68    | G68    |

# RUGGEDCOM RX1510



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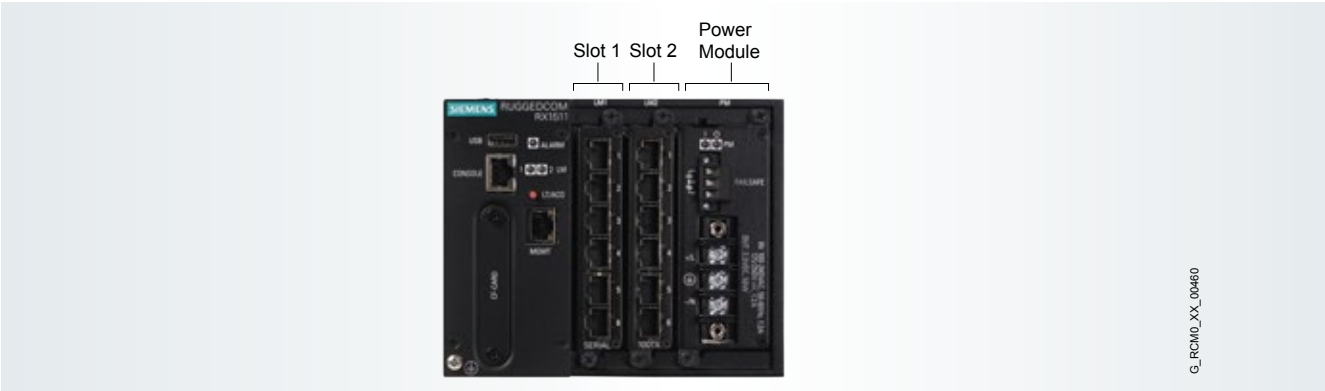
| Product                                                                | Article number |   |   |   |   |   |   |   |   |
|------------------------------------------------------------------------|----------------|---|---|---|---|---|---|---|---|
| RUGGEDCOM RX1510                                                       | 6GK6015-1AM2   | . | - | . | . | . | . | - | Z |
| Power module 1 (PM 1)                                                  |                |   |   |   |   |   |   |   |   |
| No power module 1                                                      |                | 0 |   |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with screw terminal block                           |                | 1 |   |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with screw terminal block                           |                | 2 |   |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block       |                | 3 |   |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with pluggable terminal block                       |                | 4 |   |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with pluggable terminal block                       |                | 5 |   |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with pluggable terminal block   |                | 6 |   |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with screw terminal block                            |                | 7 |   |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with pluggable terminal block                        |                | 8 |   |   |   |   |   |   |   |
| Power module 2 (PM 2) – terminal block must be equal to power supply 1 |                |   |   |   |   |   |   |   |   |
| No power module 2                                                      |                |   | 0 |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with screw terminal block                           |                |   | 1 |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with screw terminal block                           |                |   | 2 |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block       |                |   | 3 |   |   |   |   |   |   |
| 24 VDC (15-36 VDC) with pluggable terminal block                       |                |   | 4 |   |   |   |   |   |   |
| 48 VDC (36-72 VDC) with pluggable terminal block                       |                |   | 5 |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with pluggable terminal block   |                |   | 6 |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with screw terminal block                            |                |   | 7 |   |   |   |   |   |   |
| 12 VDC (9-15 VDC) with pluggable terminal block                        |                |   | 8 |   |   |   |   |   |   |
| Mounting options                                                       |                |   |   |   |   |   |   |   |   |
| No mounting option                                                     |                |   |   | A |   |   |   |   |   |
| 19" rack mounting kit                                                  |                |   |   | E |   |   |   |   |   |
| Switching hardware                                                     |                |   |   |   |   |   |   |   |   |
| Layer 2 switch                                                         |                |   |   |   | B |   |   |   |   |
| Layer 3 switch                                                         |                |   |   |   | C |   |   |   |   |
| Manufacturing modification                                             |                |   |   |   |   |   |   |   |   |
| None                                                                   |                |   |   |   |   |   | 0 |   |   |
| Conformal coating                                                      |                |   |   |   |   |   | 1 |   |   |

| Examples                                                                                                                                                                                                                                                                                                                                                                  | Order code                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| RUGGEDCOM RX1510 with 48 VDC (36-72 VDC) power supply with screw terminal block, 24 VDC (15-36 VDC) power supply with screw terminal block, DIN and panel mounting kit, Layer 3 switch, Layer 3 security edition, APE1402 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Linux), 6 x 10/100BASE-TX RJ45, 6 x 100BASE-FX SFP, blank (no transceiver) and 6 x 10/100BASE-TX RJ45. | 6GK6015-1AM22-1EB0-Z<br>A03 + B52 + C01 + D26 + E01 |

| Z options for software                                |     |
|-------------------------------------------------------|-----|
| Layer 2 standard edition                              | A00 |
| Layer 3 standard edition (only with Layer 3 hardware) | A01 |
| Layer 3 standard edition (only with Layer 2 hardware) | A02 |
| Layer 3 security edition (only with Layer 3 hardware) | A03 |
| Layer 3 security edition (only with Layer 2 hardware) | A04 |

| Z options                                                                                             | Slot 1 | Slot 2 | Slot 3 | Slot 4 |
|-------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|
| Blank module                                                                                          | B00    | C00    | D00    | E00    |
| 6 x 10/100BASE-TX RJ45                                                                                | B01    | C01    | D01    | E01    |
| 2 x 10/100/1000BASE-TX RJ45                                                                           | B02    | C02    | D02    | E02    |
| 6 x Serial RS232 / RS422 / RS485 with RJ45                                                            | B03    | C03    | D03    | E03    |
| 3 x 10BASE-FL / 100BASE-SX, multi-mode, 850 nm, ST, 2 km                                              | B15    | C15    | D15    | E15    |
| 4 x 100BASE-FX, multi-mode, 1300 nm, ST, 2 km                                                         | B16    | C16    | D16    | E16    |
| 4 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B21    | C21    | D21    | E21    |
| 6 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B26    | C26    | D26    | E26    |
| 2 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km                                                      | B33    | C33    | D33    | E33    |
| 2 x 1000BASE-LX SFP, blank (no optical transceiver)                                                   | B36    | C36    | D36    | E36    |
| 1 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B41    | C41    | D41    | E41    |
| 2 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B42    | C42    | D42    | E42    |
| 4 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B43    | C43    | D43    | E43    |
| 2 x E1 (75 Ohm) BNC (channelized/unchannelized)                                                       | B45    | C45    | D45    | E45    |
| 1 x Cellular (GSM/EDGE/HSPA)                                                                          | B46    | C46    | D46    | E46    |
| 2 x Cellular (GSM/EDGE/HSPA)                                                                          | B47    | C47    | D47    | E47    |
| 1 x Cellular (EVDO rev. A, Verizon USA)                                                               | B48    | C48    | D48    | E48    |
| 2 x Cellular (EVDO rev. A, Verizon USA)                                                               | B49    | C49    | D49    | E49    |
| 2 x Cellular (GSAM/EDGE/HSPA/EVDO rev. A, Verizon USA)                                                | B50    | C50    | D50    | E50    |
| 1 x DDS RJ48 (56K Master/Slave 64K slave)                                                             | B51    | C51    | D51    | E51    |
| APE1402 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Linux)                                               | B52    | C52    | D52    | E52    |
| APE1402W7 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Windows 7 Embedded)                                | B53    | C53    | D53    | E53    |
| APE1404 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Linux)                                              | B54    | C54    | D54    | E54    |
| APE1404W7 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Windows 7 Embedded)                               | B55    | C55    | D55    | E55    |
| APE1404CKP (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Check Point Gaia). Requires Check Point license. | B56    | C56    | D56    | E56    |
| 2 x 10/100/1000BASE-TX M12 (8-pin)                                                                    | B57    | C57    | D57    | E57    |
| 4 x 10/100BASE-TX M12 (8-pin)                                                                         | B58    | C58    | D58    | E58    |
| 4 x 10/100BASE-TX M12 (4-pin)                                                                         | B59    | C59    | D59    | E59    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin)                                             | B60    | C60    | D60    | E60    |
| 4 x 10/100BASE-TX M12 with controlled bypass (8-pin)                                                  | B61    | C61    | D61    | E61    |
| 4 x 10/100BASE-TX M12 with controlled bypass (4-pin)                                                  | B62    | C62    | D62    | E62    |
| 2 x 10/100/1000BASE-TX M12 (8-pin, X-coded)                                                           | B63    | C63    | D63    | E63    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin, X-coded)                                    | B64    | C64    | D64    | E64    |
| 1 x 4G/LTE for usage in European Union (EU)                                                           | B65    | C65    | D65    | E65    |
| 1 x 4G/LTE for usage in USA & Canada (AT&T/Rogers/Telus/Bell)                                         | B66    | C66    | D66    | E66    |
| 1 x 4G/LTE for usage in USA (Verizon)                                                                 | B67    | C67    | D67    | E67    |
| 1 x 4G/LTE for usage in Asia Pacific                                                                  | B68    | C68    | D68    | E68    |

# RUGGEDCOM RX1511



| Product                                                              | Article number |   |   |   |   |   |   |   |   |  |
|----------------------------------------------------------------------|----------------|---|---|---|---|---|---|---|---|--|
| RUGGEDCOM RX1511                                                     | 6GK6015-1BM2   | . | - | 0 | . | . | . | - | Z |  |
| Power module (PM)                                                    |                |   |   |   |   |   |   |   |   |  |
| No power module                                                      |                | 0 |   |   |   |   |   |   |   |  |
| 24 VDC (15-36 VDC) with screw terminal block                         |                | 1 |   |   |   |   |   |   |   |  |
| 48 VDC (36-72 VDC) with screw terminal block                         |                | 2 |   |   |   |   |   |   |   |  |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block     |                | 3 |   |   |   |   |   |   |   |  |
| 24 VDC (15-36 VDC) with pluggable terminal block                     |                | 4 |   |   |   |   |   |   |   |  |
| 48 VDC (36-72 VDC) with pluggable terminal block                     |                | 5 |   |   |   |   |   |   |   |  |
| High voltage (88-300 VDC / 85-264 VAC) with pluggable terminal block |                | 6 |   |   |   |   |   |   |   |  |
| 12 VDC (9-15 VDC) with screw terminal block                          |                | 7 |   |   |   |   |   |   |   |  |
| 12 VDC (9-15 VDC) with pluggable terminal block                      |                | 8 |   |   |   |   |   |   |   |  |
| Mounting options                                                     |                |   |   |   |   |   |   |   |   |  |
| No mounting option                                                   |                |   |   |   |   |   | A |   |   |  |
| 19" rack mounting kit                                                |                |   |   |   |   |   | E |   |   |  |
| Switching hardware                                                   |                |   |   |   |   |   |   |   |   |  |
| Layer 2 switch                                                       |                |   |   |   |   |   | B |   |   |  |
| Layer 3 switch                                                       |                |   |   |   |   |   | C |   |   |  |
| Manufacturing modification                                           |                |   |   |   |   |   |   |   |   |  |
| None                                                                 |                |   |   |   |   |   |   | 0 |   |  |
| Conformal coating                                                    |                |   |   |   |   |   |   | 1 |   |  |

| Example                                                                                                                                                                                                                                       | Order code                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| RUGGEDCOM RX1511 power supply with 48 VDC (36-72 VDC) with screw terminal block, DIN and panel mounting kit, Layer 2 switch, Layer 2 standard edition, 4 x 10/100BASE-TX M12 (8-pin) and 2 x 1000BASE-LX SFP, blank (no optical transceiver). | 6GK6015-1BM21-0AB0Z<br>A00 + B16 + C56 |

| Z options for software                                |     |
|-------------------------------------------------------|-----|
| Layer 2 standard edition                              | A00 |
| Layer 3 standard edition (only with Layer 3 hardware) | A01 |
| Layer 3 standard edition (only with Layer 2 hardware) | A02 |
| Layer 3 security edition (only with Layer 3 hardware) | A03 |
| Layer 3 security edition (only with Layer 2 hardware) | A04 |

| Z options                                                                                             | Slot 1 | Slot 2 |
|-------------------------------------------------------------------------------------------------------|--------|--------|
| Blank module                                                                                          | B00    | C00    |
| 6 x 10/100BASE-TX RJ45                                                                                | B01    | C01    |
| 2 x 10/100/1000BASE-TX RJ45                                                                           | B02    | C02    |
| 6 x Serial RS232 / RS422 / RS485 with RJ45                                                            | B03    | C03    |
| 3 x 10BASE-FL / 100BASE-SX, multi-mode, 850 nm, ST, 2 km                                              | B15    | C15    |
| 4 x 100BASE-FX, multi-mode, 1300 nm, ST, 2 km                                                         | B16    | C16    |
| 4 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B21    | C21    |
| 6 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B26    | C26    |
| 2 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km                                                      | B33    | C33    |
| 2 x 1000BASE-LX SFP, blank (no optical transceiver)                                                   | B36    | C36    |
| 1 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B41    | C41    |
| 2 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B42    | C42    |
| 4 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B43    | C43    |
| 2 x E1 (75 Ohm) BNC (channelized/unchannelized)                                                       | B45    | C45    |
| 1 x Cellular (GSM/EDGE/HSPA)                                                                          | B46    | C46    |
| 2 x Cellular (GSM/EDGE/HSPA)                                                                          | B47    | C47    |
| 1 x Cellular (EVDO rev. A, Verizon USA)                                                               | B48    | C48    |
| 2 x Cellular (EVDO rev. A, Verizon USA)                                                               | B49    | C49    |
| 2 x Cellular (GSM/EDGE/HSPA/EVDO rev. A, Verizon USA)                                                 | B50    | C50    |
| 1 x DDS RJ48 (56K Master/Slave 64K Slave)                                                             | B51    | C51    |
| APE1402 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Linux)                                               | B52    | C52    |
| APE1402W7 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Windows 7 Embedded)                                | B53    | C53    |
| APE1404 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Linux)                                              | B54    | C54    |
| APE1404W7 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Windows 7 Embedded)                               | B55    | C55    |
| APE1404CKP (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Check Point Gaia). Requires Check Point license. | B56    | C56    |
| 2 x 10/100/1000BASE-TX M12 (8-pin)                                                                    | B57    | C57    |
| 4 x 10/100BASE-TX M12 (8-pin)                                                                         | B58    | C58    |
| 4 x 10/100BASE-TX M12 (4-pin)                                                                         | B59    | C59    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin)                                             | B60    | C60    |
| 4 x 10/100BASE-TX M12 with controlled bypass (8-pin)                                                  | B61    | C61    |
| 4 x 10/100BASE-TX M12 with controlled bypass (4-pin)                                                  | B62    | C62    |
| 2 x 10/100/1000BASE-TX M12 (8-pin, X-coded)                                                           | B63    | C63    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin, X-coded)                                    | B64    | C64    |
| 1 x 4G/LTE for usage in European Union (EU)                                                           | B65    | C65    |
| 1 x 4G/LTE for usage in USA & Canada (AT&T/Rogers/Telus/Bell)                                         | B66    | C66    |
| 1 x 4G/LTE for usage in USA (Verizon)                                                                 | B67    | C67    |
| 1 x 4G/LTE for usage in Asia Pacific                                                                  | B68    | C68    |



# RUGGEDCOM RX1512



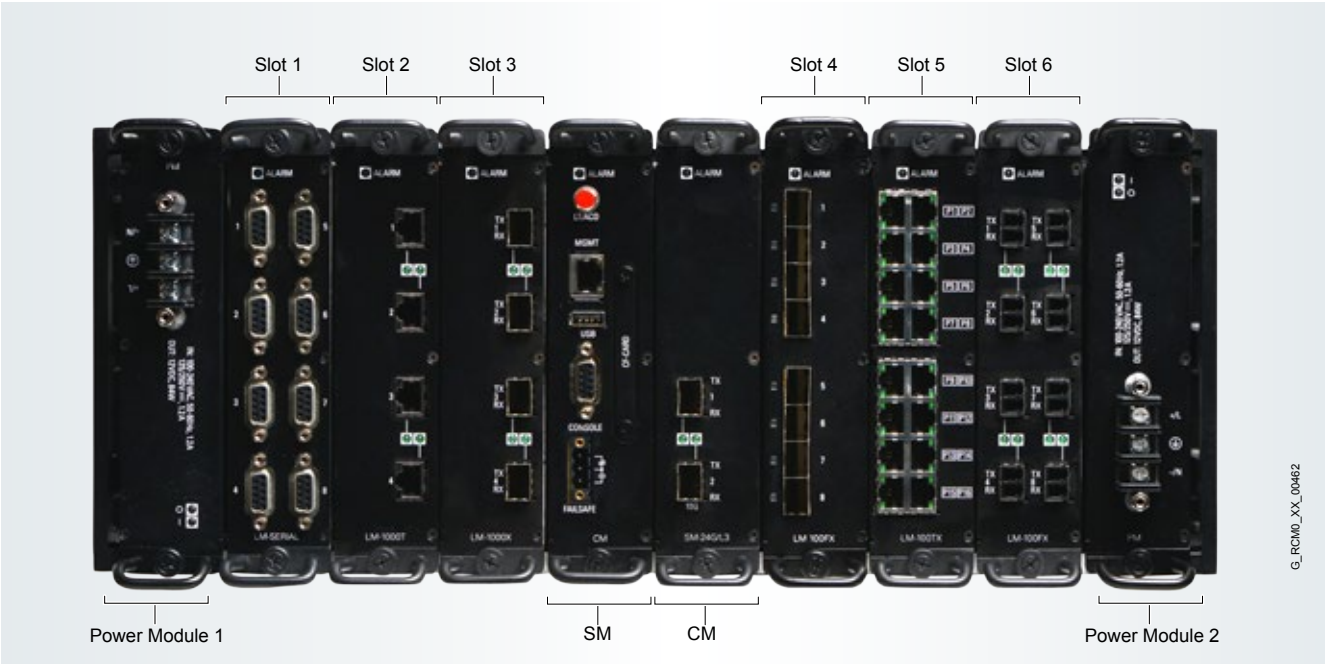
| Product                    | Article number |   |   |   |        |   |   |   |   |  |
|----------------------------|----------------|---|---|---|--------|---|---|---|---|--|
| RUGGEDCOM RX1512           | 6GK6015-1CM2   | 8 | – | 0 | .      | . | . | – | Z |  |
| Mounting options           |                |   |   |   | A<br>E |   |   |   |   |  |
| No mounting option         |                |   |   |   |        |   |   |   |   |  |
| DIN and panel mounting kit |                |   |   |   |        |   |   |   |   |  |
| Switching hardware         |                |   |   |   | B<br>C |   |   |   |   |  |
| Layer 2 switch             |                |   |   |   |        |   |   |   |   |  |
| Layer 3 switch             |                |   |   |   |        |   |   |   |   |  |
| Switching hardware         |                |   |   |   |        |   |   |   |   |  |
| Standard                   |                |   |   |   |        |   |   | 0 |   |  |
| Conformal coating          |                |   |   |   |        |   |   | 1 |   |  |

| Example                                                                                                                                                                  | Order code                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| RUGGEDCOM RX1512 with DIN and panel mounting kit, Layer 2 switch, Layer 2 standard edition, 2 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km and 6 x 10/100BASE-TC RJ45. | 6GK6015-1CM28-0EB0-Z<br>A00 + B33 + C01 |

| Z options for software                                |     |
|-------------------------------------------------------|-----|
| Layer 2 standard edition                              | A00 |
| Layer 3 standard edition (only with Layer 3 hardware) | A01 |
| Layer 3 standard edition (only with Layer 2 hardware) | A02 |
| Layer 3 security edition (only with Layer 3 hardware) | A03 |
| Layer 3 security edition (only with Layer 2 hardware) | A04 |

| Z options                                                                                             | Slot 1 | Slot 2 |
|-------------------------------------------------------------------------------------------------------|--------|--------|
| Blank module                                                                                          | B00    | C00    |
| 6 x 10/100BASE-TX RJ45                                                                                | B01    | C01    |
| Blank module                                                                                          | B00    | C00    |
| 6 x 10/100BASE-TX RJ45                                                                                | B01    | C01    |
| 2 x 10/100/1000BASE-TX RJ45                                                                           | B02    | C02    |
| 6 x Serial RS232 / RS422 / RS485 with RJ45                                                            | B03    | C03    |
| 3 x 10BASE-FL / 100BASE-SX, multi-mode, 850 nm, ST, 2 km                                              | B15    | C15    |
| 4 x 100BASE-FX, multi-mode, 1300 nm, ST, 2 km                                                         | B16    | C16    |
| 4 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B21    | C21    |
| 6 x 100BASE-FX SFP, blank (no optical transceiver)                                                    | B26    | C26    |
| 2 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km                                                      | B33    | C33    |
| 2 x 1000BASE-LX SFP, blank (no optical transceiver)                                                   | B36    | C36    |
| 1 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B41    | C41    |
| 2 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B42    | C42    |
| 4 x T1/E1 RJ48 (channelized/unchannelized)                                                            | B43    | C43    |
| 2 x E1 (75 Ohm) BNC (channelized/unchannelized)                                                       | B45    | C45    |
| 1 x Cellular (GSM/EDGE/HSPA)                                                                          | B46    | C46    |
| 2 x Cellular (GSM/EDGE/HSPA)                                                                          | B47    | C47    |
| 1 x Cellular (EVDO rev. A, Verizon USA)                                                               | B48    | C48    |
| 2 x Cellular (EVDO rev. A, Verizon USA)                                                               | B49    | C49    |
| 2 x Cellular (GSM/EDGE/HSPA/EVDO rev. A, Verizon USA)                                                 | B50    | C50    |
| 1 x DDS RJ48 (56K Master/Slave 64K slave)                                                             | B51    | C51    |
| APE1402 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Linux)                                               | B52    | C52    |
| APE1402W7 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Windows 7 Embedded)                                | B53    | C53    |
| APE1404 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Linux)                                              | B54    | C54    |
| APE1404W7 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Windows 7 Embedded)                               | B55    | C55    |
| APE1404CKP (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Check Point Gaia). Requires Check Point license. | B56    | C56    |
| 2 x 10/100/1000BASE-TX M12 (8-pin)                                                                    | B57    | C57    |
| 4 x 10/100BASE-TX M12 (8-pin)                                                                         | B58    | C58    |
| 4 x 10/100BASE-TX M12 (4-pin)                                                                         | B59    | C59    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin)                                             | B60    | C60    |
| 4 x 10/100BASE-TX M12 with controlled bypass (8-pin)                                                  | B61    | C61    |
| 4 x 10/100BASE-TX M12 with controlled bypass (4-pin)                                                  | B62    | C62    |
| 2 x 10/100/1000BASE-TX M12 (8-pin, X-coded)                                                           | B63    | C63    |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin, X-coded)                                    | B64    | C64    |
| 1 x 4G/LTE for usage in European Union (EU)                                                           | B65    | C65    |
| 1 x 4G/LTE for usage in USA & Canada (AT&T/Rogers/Telus/Bell)                                         | B66    | C66    |
| 1 x 4G/LTE for usage in USA (Verizon)                                                                 | B67    | C67    |
| 1 x 4G/LTE for usage in Asia Pacific                                                                  | B68    | C68    |

# RUGGEDCOM RX5000



| Product                                                          | Article number |   |   |   |   |   |   |   |   |   |
|------------------------------------------------------------------|----------------|---|---|---|---|---|---|---|---|---|
| RUGGEDCOM RX5000                                                 | 6GK6050-0AM2   | . | - | . | . | . | . | . | - | Z |
| Power module 1 (PM 1)                                            |                | 0 |   |   |   |   |   |   |   |   |
| No power module 1                                                |                | 3 |   |   |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block |                |   |   |   |   |   |   |   |   |   |
| Power module 2 (PM 2)                                            |                |   |   |   |   |   |   |   |   |   |
| No power module 2                                                |                |   |   |   |   |   |   |   |   |   |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block |                |   |   |   |   |   |   |   |   |   |
| Mounting options                                                 |                |   |   |   |   |   |   |   |   |   |
| No mounting option                                               |                |   |   |   |   |   |   |   |   |   |
| Panel mounting kit                                               |                |   |   |   |   |   |   |   |   |   |
| 19" rack mounting kit                                            |                |   |   |   |   |   |   |   |   |   |
| Connector options                                                |                |   |   |   |   |   |   |   |   |   |
| Front mount with interfaces and diagnostic LEDs on the front     |                |   |   |   |   |   |   |   |   |   |
| Rear mount with no interfaces and diagnostic LEDs on the front   |                |   |   |   |   |   |   |   |   |   |
| Manufacturing modification                                       |                |   |   |   |   |   |   |   |   |   |
| Standard                                                         |                |   |   |   |   |   |   |   |   |   |
| Conformal coating                                                |                |   |   |   |   |   |   |   |   |   |

| Example                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Order code                                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| RUGGEDCOM RX5000 with two high voltage (88-300 VDC / 85-264 VAC) power supplies with screw terminal block, 19" rack mounting, front mount with interfaces and diagnostic LEDs on the front, conformal coating, switch module supporting Layer 2 with 8 Gbit/s throughput and 2x 1000BASE-LX SFP interfaces, control module, Layer 3 standard edition (only with Layer 2 hardware), 16x 10/100BASE-TX with RJ45 interfaces, 8x 100BASE-FX multi-mode, 1310 nm, LC 2 km, 8x RS232/RS422/RS485 with DB9 interfaces and three blank modules. | 6GK6050-0AM23-3DM1-Z<br>A07 + B00 + C02 + D01 + E04 + F31 + G00 + H00 + J00 |

| Z Options for switch module (SM)                                                       |     |
|----------------------------------------------------------------------------------------|-----|
| Layer 2 with 8 Gbit/s throughput and 2x 10/100/1000BASE-TX RJ45 interfaces             | A01 |
| Layer 2 with 8 Gbit/s throughput and 2x 1000BASE-LX SFP interfaces                     | A07 |
| Layer 3 with 8 Gbit/s throughput 2x 10/100/1000BASE-TX RJ45 interfaces                 | A09 |
| Layer 3 with 8 Gbit/s throughput and 2x 1000BASE-SX with multi-mode, 850 nm, LC, 500 m | A10 |
| Layer 3 with 8 Gbit/s throughput and 2x 1000BASE-LX SFP interfaces                     | A15 |
| Layer 3 with 8 Gbit/s throughput and 2x 1000BASE-SX with multi-mode, 850 nm, LC, 500 m | A16 |
| Layer 3 with 8 Gbit/s throughput and 2x 1000BASE-LX SFP interfaces                     | A17 |

| Z Options for control module (CM) – mandatory |     |
|-----------------------------------------------|-----|
| Control module                                | B00 |

| Z Options for software                                |     |
|-------------------------------------------------------|-----|
| Layer 2 standard edition                              | C00 |
| Layer 3 standard edition (only with Layer 3 hardware) | C01 |
| Layer 3 standard edition (only with Layer 2 hardware) | C02 |
| Layer 3 security edition (only with Layer 3 hardware) | C03 |
| Layer 3 security edition (only with Layer 2 hardware) | C04 |

| Z options line modules                                                                                   | Slot 1 | Slot 2 | Slot 3 | Slot 4 | Slot 5 | Slot 6 |
|----------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|
| Blank module                                                                                             | D00    | E00    | F00    | G00    | H00    | J00    |
| 16x 10/100BASE-TX with RJ45 interfaces                                                                   | D01    | E01    | F01    | G01    | H01    | J01    |
| 8x 100BASE-FX multi-mode, 1310 nm, ST, 2 km                                                              | D02    | E02    | F02    | G02    | H02    | J02    |
| 8x 100BASE-FX multi-mode, 1310 nm, LC, 2 km                                                              | D04    | E04    | F04    | G04    | H04    | J04    |
| 4x 10/100/1000BASE-TX RJ45. Requires 88 Gbit/s switch module, options A16 / A17.                         | D24    | E24    | F24    | G24    | H24    | J24    |
| 4x 1000BASE-LX SFP, blank (no optical transceiver). Requires 88 Gbit/s switch module, options A16 / A17. | D30    | E30    | F30    | G30    | H30    | J30    |
| 8x RS232/RS422/RS485 with DB9 interfaces                                                                 | D31    | E31    | F31    | G31    | H31    | J31    |
| 8x 100BASE-FX, SFP, blank (no optical transceiver)                                                       | D32    | E32    | F32    | G32    | H32    | J32    |

## RUGGEDCOM RX1500 / RX1501 / RX1510 / RX1511 / RX1512 modules

| Modules                                                                                                  | Article Number      |                    |
|----------------------------------------------------------------------------------------------------------|---------------------|--------------------|
| Line modules                                                                                             | Standard            | Conformal Coating  |
| Blank module                                                                                             | 6GK6015-0AL20-0AA0  |                    |
| 6 x 10/100BASE-TX RJ45                                                                                   | 6GK6015-0AL20-0NB0  | 6GK6015-0AL20-0NB1 |
| 2 x 10/100/1000BASE-TX RJ45                                                                              | 6GK6015-0AL20-0FC0  | 6GK6015-0AL20-0FC1 |
| 2 x 10/100/1000BASE-TX M12 (8-pin)                                                                       | 6GK6015-0AL20-0PB0  | 6GK6015-0AL20-0PB1 |
| 4 x 10/100BASE-TX M12 (8-pin)                                                                            | 6GK6015-0AL20-0PC0  | 6GK6015-0AL20-0PC1 |
| 4 x 10/100BASE-TX M12 (4-pin)                                                                            | 6GK6015-0AL20-0PD0  | 6GK6015-0AL20-0PD1 |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin)                                                | 6GK6015-0AL20-0PE0  | 6GK6015-0AL20-0PE1 |
| 4 x 10/100BASE-TX M12 with controlled bypass (8-pin)                                                     | 6GK6015-0AL20-0PF0  | 6GK6015-0AL20-0PF1 |
| 4 x 10/100BASE-TX M12 with controlled bypass (4-pin)                                                     | 6GK6015-0AL20-0PG0  | 6GK6015-0AL20-0PG1 |
| 2 x 10/100/1000BASE-TX M12 (8-pin, X-coded)                                                              | 6GK6015-0AL20-0PH0  | 6GK6015-0AL20-0PH1 |
| 2 x 10/100/1000BASE-TX M12 with controlled bypass (8-pin, X-coded)                                       | 6GK6015-0AL20-0PJ0  | 6GK6015-0AL20-0PJ1 |
| 3 x 10BASE-FL / 100BASE-SX, multi-mode, 850 nm, ST, 2 km                                                 | 6GK6015-0AL20-0BD0  | 6GK6015-0AL20-0BD1 |
| 4 x 100BASE-FX, multi-mode, 1300 nm, LC, 2 km                                                            | 6GK6015-0AL20-0BC0  | 6GK6015-0AL20-0BC1 |
| 2 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km                                                         | 6GK6015-0AL20-0EC0  | 6GK6015-0AL20-0EC1 |
| 4 x 100BASE-FX SFP, blank (no optical transceiver)                                                       | 6GK6015-0AL20-0JC0  | 6GK6015-0AL20-0JC1 |
| 6 x 100BASE-FX SFP, blank (no optical transceiver)                                                       | 6GK6015-0AL20-0JD0  | 6GK6015-0AL20-0JD1 |
| 2 x 1000BASE-LX SFP, blank (no optical transceiver)                                                      | 6GK6015-0AL20-0JB0  | 6GK6015-0AL20-0JB1 |
| 1 x Cellular (GSM/EDGE/HSPA)                                                                             | 6GK6015-0AL20-0WB0  | 6GK6015-0AL20-0WB1 |
| 2 x Cellular (GSM/EDGE/HSPA)                                                                             | 6GK6015-0AL20-0WC0  | 6GK6015-0AL20-0WC1 |
| 1 x Cellular (EVDO rev. A, Verizon USA)                                                                  | 6GK6015-0AL20-0WD0  | 6GK6015-0AL20-0WD1 |
| 2 x Cellular (EVDO rev. A, Verizon USA)                                                                  | 6GK6015-0AL20-0WE0  | 6GK6015-0AL20-0WE1 |
| 2 x Cellular (1 x GSM/EDGE/HSPA and 1 x EVDO rev. A, Verizon USA)                                        | 6GK6015-0AL20-0WF0  | 6GK6015-0AL20-0WF1 |
| 1 x T1/E1 RJ48 (channelized/unchannelized)                                                               | 6GK6015-0AL20-0MB0  | 6GK6015-0AL20-0MB1 |
| 2 x T1/E1 RJ48 (channelized/unchannelized)                                                               | 6GK6015-0AL20-0MC0  | 6GK6015-0AL20-0MC1 |
| 4 x T1/E1 RJ48 (channelized/unchannelized)                                                               | 6GK6015-0AL20-0MD0  | 6GK6015-0AL20-0MD1 |
| 2 x E1 (75 Ohm) BNC (channelized/unchannelized)                                                          | 6GK6015-0AL20-0HC0  | 6GK6015-0AL20-0HC1 |
| 6 x Serial RS232 / RS422 / RS485 with RJ45                                                               | 6GK6015-0AL20-0KB0  | 6GK6015-0AL20-0KB1 |
| 1 x DDS RJ48 (56K Master/Slave 64K Slave)                                                                | 6GK6015-0AL20-0LB0  | 6GK6015-0AL20-0LB1 |
| APE1402 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Linux)                                                  | 6GK6015-0AL20-0GB0  | 6GK6015-0AL20-0GB1 |
| APE1402W7 (1.3 GHz, 2GB RAM, 8GB SATA, video, USB, Windows 7 Embedded)                                   | 6GK6015-0AL20-0GC0  | 6GK6015-0AL20-0GC1 |
| APE1404 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Linux)                                                 | 6GK6015-0AL20-0GD0  | 6GK6015-0AL20-0GD1 |
| APE1404W7 (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Windows 7 Embedded)                                  | 6GK6015-0AL20-0GE0  | 6GK6015-0AL20-0GE1 |
| APE1404CKP (1.3 GHz, 2GB RAM, 16GB SATA, video, USB, Check Point Gaia)<br>(requires Check Point License) | 6GK6015-0AL20-0GF0  | 6GK6015-0AL20-0GF1 |
| 1 x 4G/LTE for usage in European Union (EU)                                                              | 6GK6015-0AL20-0WG0  | 6GK6015-0AL20-0WG1 |
| 1 x 4G/LTE for usage in USA & Canada (AT&T/Rogers/Telus/Bell)                                            | 6GK6015-0AL20-0WH0  | 6GK6015-0AL20-0WH1 |
| 1 x 4G/LTE for usage in USA (Verizon)                                                                    | 6GK6015-0AL20-0WJ0  | 6GK6015-0AL20-0WJ1 |
| 1 x 4G/LTE for usage in Asia Pacific                                                                     | 6GK6015-0AL20-0WK0  | 6GK6015-0AL20-0WK1 |
| Power modules                                                                                            | Standard            | Conformal Coating  |
| Blank module for power module slot                                                                       | 6GK6015-0AL10-0AA0  | 6GK6015-0AL10-0AA1 |
| 12 VDC (9-15 VDC) with screw terminal block                                                              | 6GK6015-0AL17-0AA0  | 6GK6015-0AL17-0AA1 |
| 24 VDC (15-36 VDC) with screw terminal block                                                             | 6GK6015-0AL11-0AA0  | 6GK6015-0AL11-0AA1 |
| 48 VDC (36-72 VDC) with screw terminal block                                                             | 6GK6015-0AL12-0AA0  | 6GK6015-0AL12-0AA1 |
| High voltage (88-300 VDC / 85-264 VAC) with screw terminal block                                         | 6GK6015-0AL13-0AA0  | 6GK6015-0AL13-0AA1 |
| 12 VDC (9-15 VDC) with pluggable terminal block                                                          | 6GK6015-0AL18-0AA0  | 6GK6015-0AL18-0AA1 |
| 24 VDC (15-36 VDC) with pluggable terminal block                                                         | 6GK6015-0AL14-0AA0  | 6GK6015-0AL14-0AA1 |
| 48 VDC (36-72 VDC) with pluggable terminal block                                                         | 6GK6015-0AL15-0AA0  | 6GK6015-0AL15-0AA1 |
| High voltage (88-300 VDC / 85-264 VAC) with pluggable terminal block                                     | 6GK6015-0AL16t-0AA0 | 6GK6015-0AL16-0AA1 |

## RUGGEDCOM RX5000 modules

| Modules                                                                                                  | Article Number     |                    |
|----------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| Power supplies                                                                                           | Standard           | Conformal Coating  |
| Power supply 88-300VDC or 85-264VAC, screw terminal block                                                | 6GK6050-0AL13-0AA0 | 6GK6050-0AL13-0AA1 |
| Switch modules                                                                                           |                    |                    |
| Layer 2 with 8 Gbit/s throughput and 2x 10/100/1000BASE-TX RJ45 interfaces                               | 6GK6050-0AL40-0BA0 | 6GK6050-0AL40-0BA1 |
| Layer 2 with 8 Gbit/s throughput and 2x 1000BASE-LX SFP interfaces                                       | 6GK6050-0AL40-0JA0 | 6GK6050-0AL40-0JA1 |
| Layer 3 with 8 Gbit/s throughput 2x 10/100/1000BASE-TX RJ45 interfaces                                   | 6GK6050-0AL40-0MA0 | 6GK6050-0AL40-0MA1 |
| Layer 3 with 8 Gbit/s throughput and 2x 1000BASE-SX with multi-mode, 850 nm, LC, 500m                    | 6GK6050-0AL40-0PA0 | 6GK6050-0AL40-0PA1 |
| Layer 3 with 8 Gbit/s throughput and 2x 1000BASE-LX SFP interfaces                                       | 6GK6050-0AL40-0UA0 | 6GK6050-0AL40-0UA1 |
| Layer 3 with 88 Gbit/s throughput and no uplink interfaces                                               | 6GK6050-0AL40-0VA0 | 6GK6050-0AL40-0VA1 |
| Layer 3 with 88 Gbit/s throughput with 2x 10G SFP+ interfaces                                            | 6GK6050-0AL40-0WA0 | 6GK6050-0AL40-0WA1 |
| Control modules                                                                                          |                    |                    |
| Control module with Layer 2 standard edition                                                             | 6GK6050-0AL30-0AA0 | 6GK6050-0AL30-0AA1 |
| Control module with Layer 3 standard edition (Layer 3 hardware)                                          | 6GK6050-0AL30-0BA0 | 6GK6050-0AL30-0BA1 |
| Control module with Layer 3 security edition (Layer 3 hardware)                                          | 6GK6050-0AL30-0CA0 | 6GK6050-0AL30-0CA1 |
| Control module with Layer 3 standard edition (Layer 3 hardware)                                          | 6GK6050-0AL30-0DA0 | 6GK6050-0AL30-0DA0 |
| Control module with Layer 3 security edition (Layer 3 hardware)                                          | 6GK6050-0AL30-0EA0 | 6GK6050-0AL30-0EA1 |
| Line modules                                                                                             |                    |                    |
| Blank module                                                                                             | 6GK6050-0AL20-0AA0 |                    |
| 16x 10/100BASE-TX with RJ45 interfaces                                                                   | 6GK6050-0AL20-0NB0 | 6GK6050-0AL20-0NB1 |
| 8x 100BASE-FX multi-mode, 1310 nm, ST, 2 km                                                              | 6GK6050-0AL20-0BB0 | 6GK6050-0AL20-0BB1 |
| 8x 100BASE-FX multi-mode, 1310 nm, LC 2 km                                                               | 6GK6050-0AL20-0BD0 | 6GK6050-0AL20-0BD1 |
| 4x 10/100/1000BASE-TX RJ45. Requires 88 Gbit/s switch module, options A16 / A17.                         | 6GK6050-0AL20-0FC0 | 6GK6050-0AL20-0FC1 |
| 4x 1000BASE-LX SFP, blank (no optical transceiver). Requires 88 Gbit/s switch module, options A16 / A17. | 6GK6050-0AL20-0JB0 | 6GK6050-0AL20-0JB1 |
| 8x RS232/RS422/RS485 with DB9 interfaces                                                                 | 6GK6050-0AL20-0KB0 | 6GK6050-0AL20-0KB1 |
| 8x 100BASE-FX, SFP, blank (no optical transceiver)                                                       | 6GK6050-0AL20-0CU0 | 6GK6050-0AL20-0CU1 |



## Accessories

| RX1400     | Description                                                                                                                    | Article number     |
|------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------|
|            | 19" rack mount kit for RX1400                                                                                                  | 6GK6000-8MT00-0AA0 |
| ANT795-4MA | 3/5 dBi direct mount omni-directional antenna for 2.4 GHz/5GHz WLAN with R-SMA connector with radial swiveling joint.          | 6GK5795-4MA00-0AA3 |
| ANT792-6MN | 6 dBi omni-directional antenna for 2.4 GHz WLAN with N-Connect female connector. Suitable for wall or mast mounting.           | 6GK5792-6MN00-0AA6 |
| ANT793-6MN | 5 dBi omni-directional antenna for 5 GHz WLAN with N-Connect female connector. Suitable for wall or mast mounting.             | 6GK5793-6MN00-0AA6 |
| ANT795-6MN | 6/8 dBi omni-directional antenna for 2.4/5 GHz WLAN with N-Connect female connector. Suitable for roof or mast mounting.       | 6GK5795-6MN10-0AA6 |
| ANT795-6DC | 9/9 dBi sector antenna for 2.4/5 GHz WLAN with N-Connect female connector. Suitable for wall or mast mounting.                 | 6GK5795-6DC00-0AA0 |
| ANT793-6DG | 9 dBi dual-slant sector antenna for 5 GHz WLAN with 2 x N-Connect female connectors. Suitable for wall or mast mounting.       | 6GK5793-6DG00-0AA0 |
| ANT792-8DN | 14 dBi directional antenna for 2.4 GHz WLAN with N-Connect female connector. Suitable for wall or mast mounting.               | 6GK5792-8DN00-0AA6 |
| ANT793-8DJ | 18 dBi dual-slant directional antenna for 5 GHz WLAN with 2 x N-Connect female connectors. Suitable for wall or mast mounting. | 6GK5793-8DJ00-0AA0 |
| ANT793-8DK | 23 dBi dual-slant directional antenna for 5 GHz WLAN with 2 x N-Connect female connectors. Suitable for wall or mast mounting. | 6GK5793-8DK00-0AA0 |
| ANT793-8DP | 13.5 dBi directional antenna for 5 GHz WLAN with N-Connect female connector. Suitable for wall or mast mounting.               | 6GK5793-8DP00-0AA0 |
|            | Antenna cable N-Connect male/R-SMA male 1 m.                                                                                   | 6XV1875-5TH10      |
|            | Antenna cable N-Connect male/R-SMA male 2 m.                                                                                   | 6XV1875-5TH20      |
|            | Antenna cable N-Connect male/R-SMA male 5 m.                                                                                   | 6XV1875-5TH50      |
| TI975-1R   | Termination impedance (R-SMA), 3 pieces                                                                                        | 6GK5795-1TR10-0AA6 |
| LP798-2N   | Lightning protector                                                                                                            | 6GK5798-2LP10-2AA6 |

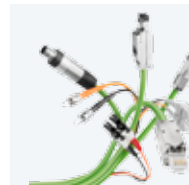
| RX1400 / RX1500 / RX1501 / RX1510 / RX1511 / RX1512 |                                                                                                                                   | Article number     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------|
| ANT1096-4ME                                         | Detached omni-directional antenna for GSM (2G), UMTS (3G) and LTE 4G networks with N-female connector.                            | 6GK6000-8NT01-1AA0 |
| ANT1096-4MA                                         | Direct mount omni-directional antenna for GSM (2G), UMTS (3G) and LTE 4G networks with SMA connector with radial swiveling joint. | 6GK6000-8NT01-0AA0 |
| ANT1390-4ML                                         | Detached GPS antenna with a 30 cm long fixed connecting cable and an N-Connect female connector.                                  | 6GK6000-8NP01-1AA0 |
|                                                     | Antenna cable N-Connect male/SMA male 1 m.                                                                                        | 6GK6000-8VH10-1FB0 |
|                                                     | Antenna cable N-Connect male/SMA male 2 m.                                                                                        | 6GK6000-8VH20-1FB0 |
|                                                     | Antenna cable N-Connect male/SMA male 5 m.                                                                                        | 6GK6000-8VH50-1FB0 |
|                                                     | Antenna cable N-Connect male 1 m.                                                                                                 | 6GK6000-8VH10-1FF0 |
|                                                     | Antenna cable N-Connect male 2 m.                                                                                                 | 6GK6000-8VH20-1FF0 |
|                                                     | Antenna cable N-Connect male 5 m.                                                                                                 | 6GK6000-8VH50-1FF0 |

| RX5000                                                                        |                    | Article Number     |
|-------------------------------------------------------------------------------|--------------------|--------------------|
| Mounting kits                                                                 |                    |                    |
| Panel mounting kit for RX5000                                                 |                    | 6GK6050-0AB00-0CA0 |
| 19" rack mounting kit for RX5000                                              |                    | 6GK6050-0AB00-0DA0 |
| Miscellaneous                                                                 |                    |                    |
| Screw terminal power block for RX1500/RX1501/RX1510/RX1511/RX5000 (10 pieces) |                    | 6GK6000-8HT03-0AC0 |
| Chassis                                                                       | Standard           | Conformal coating  |
| Front mount with interfaces and diagnostic LEDs on the front                  | 6GK6050-0AB00-0AM0 | 6GK6050-0AB00-0AM1 |
| Rear mount with no interfaces and diagnostic LEDs on the front                | 6GK6050-0AB00-0AN0 | 6GK6050-0AB00-0AN1 |
| Software                                                                      |                    |                    |
| Upgrade Layer 2 standard edition to Layer 3 standard edition                  |                    | 6GK6050-0AL51-0AA0 |
| Upgrade Layer 2 standard edition to Layer 3 security edition                  |                    | 6GK6050-0AL52-0AA0 |
| Upgrade Layer 3 standard edition to Layer 3 security edition                  |                    | 6GK6050-0AL53-0AA0 |

| RX1400 / RX1500 / RX1501 / RX1510 / RX1511 / RX1512                           |  | Article Number     |
|-------------------------------------------------------------------------------|--|--------------------|
| Mounting kits                                                                 |  |                    |
| DIN and panel mount kit, RX1500, RX1501                                       |  | 6GK6015-0AB00-0CA0 |
| 19" rack mount kit, RX1500, RX1501                                            |  | 6GK6015-0AB00-0DA0 |
| DIN and panel mount kit, RX1510, RX1511, RX1512                               |  | 6GK6015-0AB00-0EA0 |
| Miscellaneous                                                                 |  |                    |
| Pluggable power terminal block for RX1512 (10 pieces)                         |  | 6GK6000-8HT03-0AA0 |
| Pluggable power terminal block for RX1500/RX1501/RX1510/RX1511 (10 pieces)    |  | 6GK6000-8HT03-0AB0 |
| Screw terminal power block for RX1500/RX1501/RX1510/RX1511/RX5000 (10 pieces) |  | 6GK6000-8HT03-0AC0 |
| Software                                                                      |  |                    |
| Upgrade Layer 2 standard edition to Layer 3 standard edition                  |  | 6GK6050-0AL51-0AA0 |
| Upgrade Layer 2 standard edition to Layer 3 security edition                  |  | 6GK6050-0AL52-0AA0 |
| Upgrade Layer 3 standard edition to Layer 3 security edition                  |  | 6GK6050-0AL53-0AA0 |
| Upgrade VPE1400 for RUGGEDCOM RX1400                                          |  | 6GK6014-0AL50-0AA0 |
| Upgrade to Layer 3 security edition for RUGGEDCOM RX1400                      |  | 6GK6014-0AL53-0AA0 |
| Upgrade VPE1400 with MindConnect for RUGGEDCOM RX1400                         |  | 6GK6000-0AV00-0AB0 |

| Available pluggable transceivers |        | Specifications |             |              |                  |                  |                       | RX1400 | RX1500 | RX1501 | RX1510 | RX1511 | RX1512 | RX5000 |
|----------------------------------|--------|----------------|-------------|--------------|------------------|------------------|-----------------------|--------|--------|--------|--------|--------|--------|--------|
| Product name                     | Cable  | 100 Mbit/s     | 1000 Mbit/s | 10000 Mbit/s | Wavelengths      | Typical distance | Operating temperature |        |        |        |        |        |        |        |
| SFP1112-1                        | Copper | 1 x LC         | 1 x RJ45    |              |                  | 100 m            | 0 - 70 °C             |        | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1121-1FX2                     | MM     | 1 x LC         |             |              | 1310 nm          | 2 km             | -40 - 85 °C           |        | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1121-1FX2A                    | MM     | 1 x LC         |             |              | 1310 nm          | 2 km             | -40 - 85 °C           | ●      |        |        |        |        |        |        |
| SFP1131-1FX20                    | SM     | 1 x LC         |             |              | 1310 nm          | 20 km            | -40 - 85 °C           |        | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1131-1FX50                    | SM     | 1 x LC         |             |              | 1310 nm          | 50 km            | -40 - 85 °C           |        | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1131-1FX90                    | SM     | 1 x LC         |             |              | 1550 nm          | 90 km            | -40 - 85 °C           |        | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1BX10R                   | SM     |                | 1 x LC      |              | 1310Tx<br>1490Rx | 10 km            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1BX10T                   | SM     |                | 1 x LC      |              | 1490Tx<br>1310Rx | 10 km            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1BX40R                   | SM     |                | 1 x LC      |              | 1310Tx<br>1490Rx | 40 km            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1BX40T                   | SM     |                | 1 x LC      |              | 1490Tx<br>1310Rx | 40 km            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1122-1SX                      | MM     |                | 1 x LC      |              | 850 nm           | 500 m            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1122-1SX2                     | MM     |                | 1 x LC      |              | 850 nm           | 500 m            | -40 - 85 °C           |        | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1LX10                    | SM     |                | 1 x LC      |              | 1310 nm          | 10 km            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1LX25                    | SM     |                | 1 x LC      |              | 1310 nm          | 25 m             | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1LX40                    | SM     |                | 1 x LC      |              | 1550 nm          | 40 km            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1LX70                    | SM     |                | 1 x LC      |              | 1550 nm          | 70 km            | -40 - 85 °C           | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP1132-1LX100                   | SM     |                | 1 x LC      |              | 1550 nm          | 100 km           | 0 - 70 °C             | ●      | ●      | ●      | ●      | ●      | ●      | ●      |
| SFP2133-1LR10                    | SM     |                |             | 1 x LC       | 1550 nm          | 10 km            | -40 - 85 °C           |        |        |        |        |        |        | ●      |
| SFP2133-1ER40                    | SM     |                |             | 1 x LC       | 1550 nm          | 40 km            | -40 - 85 °C           |        |        |        |        |        |        | ●      |
| SFP2133-1ZR80                    | SM     |                |             | 1 x LC       | 1550 nm          | 80 km            | -40 - 85 °C           |        |        |        |        |        |        | ●      |

\* SM = single-mode, MM = multi-mode



#### FastConnect Cabling System

Stringent demands are placed on the installation of cables in an industrial environment. Siemens offers FastConnect, a system that fulfills all these requirements: on-site assembly – quick, easy and error-free. For more information, visit: [siemens.com/fastconnect](https://www.siemens.com/fastconnect)





For more information, please visit:  
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