

RUGGED COMMUNICATION

RUGGEDCOM 19" Switches

Ordering Overview

Rack mountable, Layer 2 Ethernet switches
[siemens.com/ruggedcom](https://www.siemens.com/ruggedcom)

Ordering
overview

Edition
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RUGGEDCOM Ethernet switches are specifically designed to operate reliably in harsh industrial environments.



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RUGGEDCOM Configurator

RUGGEDCOM Ethernet switches are specifically designed to operate reliably in harsh, industrial environments. All RUGGEDCOM switches 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 Configurator you can transfer the order number to the Siemens Industry Mall and order your products.

To use the RUGGEDCOM Configurator for the selection and configuration of RUGGEDCOM products, visit:

[siemens.com/ruggedcom-configurator](https://www.siemens.com/ruggedcom-configurator)

Protect your investment for the long term

Now you can order select RUGGEDCOM products with an extended warranty term of 10 years. Choose option 'T10' at the time of order.

For more information on wireless approvals, visit:

[siemens.com/wireless-approvals](https://www.siemens.com/wireless-approvals)

Note: You can also click on the MLFB in the PDF. This will lead you directly to the Industry Mall.

RUGGEDCOM technology

RUGGEDCOM products have been specifically designed and tested to withstand the demands of harsh environments.

Rugged-rated

Highly Accelerated Life Testing (HALT) is used in the early stages of product development to detect any design and performance issues. Highly Accelerated Stress Screening (HASS) is performed on all RUGGEDCOM products, in order to ensure that customers get their orders free of manufacturing errors and random defects.

RUGGEDCOM products provide reliable and error-free operation in harsh electrical installations with high EMI.

Operation in industrial temperature range

- -40 °C to +85 °C normal operation
- Passive cooling – no fans

High availability

- Integrated single or redundant power supplies
- Universal high-voltage range: 88 – 300 V DC or 85 – 264 V AC
- Low voltage: 12 V DC, 24 V DC, or 48 V DC

Durable installations

- Full metal enclosure
- Heavy duty mounting
- Industrial terminal blocks for power and I/O connection

Zero Packet Loss™

The proliferation of IP networking technology from the office to industrial environments, for use in real-time, mission-critical control applications requires a level of immunity to electromagnetic interference (EMI) well beyond what is currently delivered by commercial grade networking products. In fact, even the EMI immunity requirements prescribed by IEC 61000-6-2 (generic standards – immunity for industrial environments) are inadequate for many environments.

One such environment is the electric utility substation, where EMI levels can be significantly higher than those of the generic industrial environment defined in IEC 61000-6-2. In order to address this risk, both the IEC and IEEE have developed and issued standards addressing EMI immunity requirements for communications networking equipment in electric utility substations.

In response to these requirements, RUGGEDCOM technology withstands all of the EMI type tests required by IEC 61850-3 without experiencing any communications loss or delays. Products featuring this technology also qualify as IEEE 1613 Class 2 error-free devices. This innovation is known as Zero Packet Loss™ technology and it is designed to provide the same level of EMI immunity and reliability as protective relays.



IEC 61850

IEC 61850 standard for communications in substations is composed of ten parts, which outline a complete framework for substation automation, including EMI (electromagnetic interference), immunity and environmental requirements (IEC 61850-3) for communications networks in substations.

The EMI immunity requirements of IEC 61850-3 are derived from IEC 61000-6-5 (Immunity for Power Station and Substation Environments), which defines a set of potentially destructive EMI type tests designed to simulate both continuous and transient EMI phenomena in the substation.

This standard has a minimum requirement that the networking equipment operates without any physical damage, reset, or latch-up during the application of a variety of destructive EMI immunity type tests.

IEEE 1613

IEEE 1613 specifies ratings, environmental performance and testing requirements for communications networking devices installed in electric power substations.

Within the standard, two classes of devices are defined, based on the outcome of a specific set of potentially destructive EMI type tests (EMI stress) designed to simulate EMI phenomena in the substation. These type tests are derived from the same type tests applied to mission critical protective relays (i.e., C37.90.).

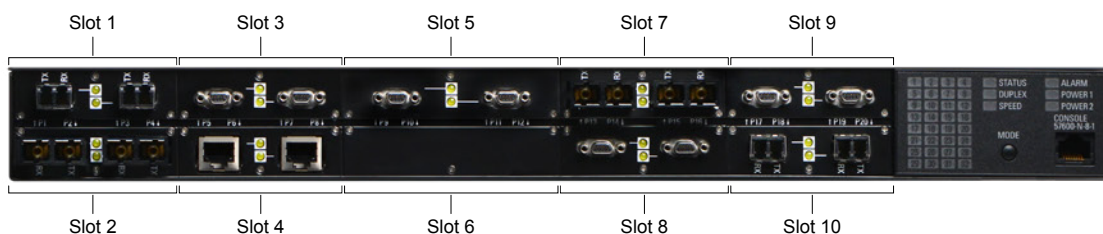
Class 1 – these devices are allowed to experience data errors, loss, or delays when exposed to EMI stress.

Class 2 – these devices may provide error-free (i.e., no data errors, delays, or loss) operation when exposed to EMI stress.

Neither class of device may experience any permanent damage under EMI stress.

The RUGGEDCOM family qualifies as IEEE 1613 Class 2 error-free devices.

RUGGEDCOM RSG2100



G_RCM0_XX_00150

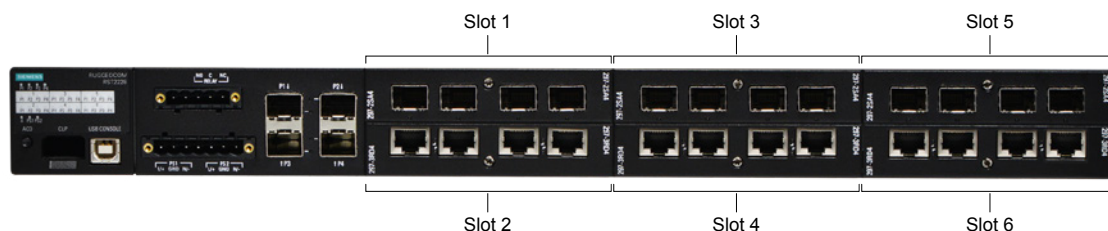
Product	Article number									
RUGGEDCOM RSG2100	6GK6021-0AS2	.	-	.	.	.	.	.	-	Z
Power supply 1										
24 V DC (10 – 36 V DC) with screw terminal block	1									
48 V DC (36 – 72 V DC) with screw terminal block	2									
88 – 300 V DC / 85 – 264 V AC with screw terminal block	3									
24 V DC (10 – 36 V DC) with pluggable terminal block	4									
48 V DC (36 – 72 V DC) with pluggable terminal block	5									
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block	6									
Power supply 2 (terminal block must be equal to power supply 1)										
No power supply 2									0	
24 V DC (10 – 36 V DC) with screw terminal block	1									
48 V DC (36 – 72 V DC) with screw terminal block	2									
88 – 300 V DC / 85 – 264 V AC with screw terminal block	3									
24 V DC (10 – 36 V DC) with pluggable terminal block	4									
48 V DC (36 – 72 V DC) with pluggable terminal block	5									
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block	6									
Mounting options										
No mounting option									A	
19" rack mounting kit									D	
DIN rail and panel mounting kit									E	
19" rack DIN rail and panel mounting kit									F	
Connections										
Ethernet interfaces on rear, LED panel on front, power connections on rear									B	
Ethernet interfaces on front, LED panel on front, power connections on rear									C	
Ethernet interfaces on rear, LED panel on top, power connections on rear									D	
Ethernet interfaces on front, LED panel on top, power connections on rear									E	
Manufacturing modification										
Standard									0	
Conformal coating									1	
Examples	Order code									
RUGGEDCOM RSG2100 with 2 x 48 V DC with screw terminal block power supplies, 19" rack mounting kit, Ethernet connectors on rear, LED panel on front, power connector on rear + 4 x 10/100BASE-TX RJ45 + 12 x 100BASE-FX, multi-mode, 1300 nm, ST + 3 x 1000BASE-LX, single-mode, 1310 nm, SC with conformal coating	6GK6021-0AS2-2DB1-Z A01 + B01 + C03 + D03 + E03 + F03 + G03 + H03 + J03 + K03									

Z options	Slot 1	Slot 2	Slot 3	Slot 4	Slot 7	Slot 8	Slot 9	Slot 10
No module	A00	B00	C00	D00	G00	H00	J00	K00
2 x 10/100BASE-TX RJ45	A01	B01	C01	D01	G01	H01	J01	K01
2 x 10BASE-FL, multi-mode, 850 nm, ST	A02	B02	C02	D02	G02	H02	J02	K02
2 x 100BASE-FX, multi-mode, 1300 nm, ST	A03	B03	C03	D03	G03	H03	J03	K03
2 x 100BASE-FX, multi-mode, 1300 nm, SC	A04	B04	C04	D04	G04	H04	J04	K04
2 x 100BASE-FX, multi-mode, 1300 nm, LC	A05	B05	C05	D05	G05	H05	J05	K05
2 x 100BASE-FX, multi-mode, 1300 nm, MTRJ	A06	B06	C06	D06	G06	H06	J06	K06
2 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km	A07	B07	C07	D07	G07	H07	J07	K07
2 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km	A08	B08	C08	D08	G08	H08	J08	K08
2 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A09	B09	C09	D09	G09	H09	J09	K09
2 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	A10	B10	C10	D10	G10	H10	J10	K10
2 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	A11	B11	C11	D11	G11	H11	J11	K11
2 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	A12	B12	C12	D12	G12	H12	J12	K12
2 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	A13	B13	C13	D13	G13	H13	J13	K13
2 x 10/100BASE-TX, micro-D	A14	B14	C14	D14	G14	H14	J14	K14

Z options	Slot 5
No module	E00
2 x 10/100/1000BASE-TX RJ45	E01
2 x 1000BASE-SX, multi-mode, 850 nm, LC, 500 m	E02
2 x 1000BASE-LX, single-mode, 1310 nm, SC, 10 km	E03
2 x 1000BASE-LX, single-mode, 1310 nm, LC, 10 km	E04
2 x 1000BASE-LX, single-mode, 1310 nm, SC, 25 km	E05
2 x 1000BASE-LX, single-mode, 1310 nm, LC, 25 km	E06
2 x 1000BASE-LX SFP, blank (no optical transceiver)	E07
2 x 1000BASE-SX SFP, multi-mode, 850 nm, LC, 500 m (incl. 2 x SFP1122-1SX)	E08
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 10 km (incl. 2 x SFP1132-1LX10)	E09
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 25 km (incl. 2 x SFP1132-1LX25)	E10
2 x 1000BASE-LX SFP, single-mode, 1550 nm, LC, 70 km (incl. 2 x SFP1132-1LX70)	E11
2 x 1000BASE-LX GBIC, blank (no optical transceiver)	E12
2 x 1000BASE-LX GBIC, single-mode, 1310 nm, SC, 10 km	E13
2 x 1000BASE-LX GBIC, single-mode, 1310 nm, SC, 25 km	E14
2 x 1000BASE-LX GBIC, single-mode, 1550 nm, SC, 70 km	E15
2 x 10/100/1000BASE-TX micro-D	E16
2 x 1000BASE-TX, SFP, RJ45 (incl. 2 x SFP1112-1)	E17

Z options	Slot 6
No module	F00
1 x 10/100/1000BASE-TX RJ45	F01
1 x 1000BASE-SX, multi-mode, 850 nm, LC, 500 m	F02
1 x 1000BASE-LX, single-mode, 1300 nm, SC, 10 km	F03
1 x 1000BASE-LX, single-mode, 1300 nm, LC, 10 km	F04
1 x 1000BASE-LX, single-mode, 1300 nm, SC, 25 km	F05
1 x 1000BASE-LX, single-mode, 1300 nm, LC, 25 km	F06
1 x 1000BASE-LX SFP, blank (no optical transceiver)	F07
1 x 1000BASE-SX SFP, multi-mode, 850 nm, LC, 500 m (incl. 1 x SFP1122-1SX)	F08
1 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 10 km (incl. 1 x SFP1132-1LX10)	F09
1 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 25 km (incl. 1 x SFP1132-1LX25)	F10
1 x 1000BASE-LX SFP, single-mode, 1550 nm, LC, 70 km (incl. 1 x SFP1132-1LX70)	F11
1 x 1000BASE-LX GBIC, blank (no optical transceiver)	F12
1 x 1000BASE-LX GBIC, single-mode, 1310 nm, SC, 10 km	F13
1 x 1000BASE-LX GBIC, single-mode, 1310 nm, SC, 25 km	F14
1 x 1000BASE-LX GBIC, single-mode, 1550 nm, SC, 70 km	F15
1 x 10/100/1000BASE-TX micro-D	F16

RUGGEDCOM RST2228



G_RCM0_XX_00104

Product	Article number					
RUGGEDCOM RST2228	6GK6222-6AB00-	.	.	.	.	- Z
Mounting options						
No mounting option	0					
19" rack mounting kit, panel mounting kit	5					
Power supply 1						
24 V DC (13 – 36 V DC) with screw terminal block	A					
48 V DC (36 – 72 V DC) with screw terminal block	B					
88 – 300 V DC / 85 – 264 V AC with screw terminal block	C					
24 V DC (13 – 36 V DC) with pluggable terminal block	D					
48 V DC (36 – 72 V DC) with pluggable terminal block	E					
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block	F					
12 V DC (10.5 – 15 V DC) with screw terminal block	G					
12 V DC (10.5 – 15 V DC) with pluggable terminal block	H					
12 V DC (10.5 – 15 V DC) with spring cage pluggable terminal block	K					
24 V DC (13 – 36 V DC) with spring cage pluggable terminal block	L					
48 V DC (36 – 72 V DC) with spring cage pluggable terminal block	M					
88 – 300 V DC / 85 – 264 V AC with spring cage pluggable terminal block	N					
Power supply 2 (terminal block must be equal to power supply 1)						
No power supply option	N					
24 V DC (13 – 36 V DC)	A					
48 V DC (36 – 72 V DC)	B					
88 – 300 V DC / 85 – 264 V AC	C					
12 V DC (10.5 – 15 V DC)	G					
Manufacturing modification						
Standard	0					
Conformal coating	1					
Service panel location						
Mounted on the front (connector side)	A00					
Mounted on the back (heatsink side)	A01					
Z options						
RUGGEDCOM RMM2931-4, blank module	B00	C00	D00	E00	F00	G00
RUGGEDCOM RMM2973-4RJ45, 4 x RJ45, 10/100/1000 BASE-TX	B01	C01	D01	E01	F01	G01
RUGGEDCOM RMM2973-4FC, 4 x FastConnect (RJ45), 10/100/1000 BASE-TX	B02	C02	D02	E02	F02	G02
RUGGEDCOM RMM2942-4LC2, 4 x LC-Interface, 100BASE-FX, multi-mode, 1300 nm	B05	C05	D05	E05	F05	G05
RUGGEDCOM RMM2972-4SFP, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included	B06	C06	D06	E06	F06	G06
RUGGEDCOM RMM2972-2RNA to support HSR/PRP functions, port A and B, 2 x 100/1000 Base-X SFPs (SFPs are not included)	B40	C40	–	–	–	–
RUGGEDCOM RMM2973MC-4RJ45 for IEEE 802.1AE MACsec functionality, 4 x RJ45, 10/100/1000 BASE-TX	B10	C10	D10	E10	F10	G10
RUGGEDCOM RMM2972M-4SFP for IEEE 802.1AE MACsec functionality, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included.	B11	C11	D11	E11	F11	G11
RUGGEDCOM RMM2973-4PM12X, 4 x M12 X-Coded with Power-over-Ethernet (100/1000 Mbps)	B20	C20	D20	E20	F20	G20
RUGGEDCOM RMM2973-4BM12X, 4 x M12 X-Coded with 2 x Bypass (100/1000 Mbps)	B21	C21	D21	E21	F21	G21

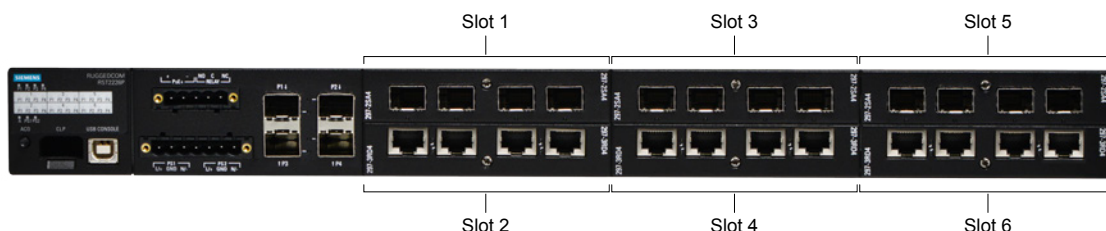
Examples

RUGGEDCOM RST2228 with 2 x 24 V DC power supplies, 19" rack mounting kit, panel mounting kit, Ethernet connectors on rear, LED panel on front, power connector on rear with 2 x RUGGEDCOM RMM2973-4RJ45, 2 x RUGGEDCOM RMM2973-4FC, and 2 x RUGGEDCOM RMM2972-4SFP media modules

Order code

6GK6222-6AB00-5AA0-Z
A00 + B01 + C01 + D02 + E02 + F06 + G06

RUGGEDCOM RST2228P



G_RCM0_XX_00200

Product

Article number

RUGGEDCOM RST2228P	6GK6222-6PB00-	.	.	.	.	-	Z
Mounting options		0					
No mounting option		5					
19" rack mounting kit, panel mounting kit							
Power supply 1			A				
24 V DC (13 – 36 V DC) with screw terminal block			B				
48 V DC (36 – 72 V DC) with screw terminal block			C				
88 – 300 V DC / 85 – 264 V AC with screw terminal block			D				
24 V DC (13 – 36 V DC) with pluggable terminal block			E				
48 V DC (36 – 72 V DC) with pluggable terminal block			F				
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block			G				
12 V DC (10.5 – 15 V DC) with screw terminal block			H				
12 V DC (10.5 – 15 V DC) with pluggable terminal block			K				
12 V DC (10.5 – 15 V DC) with spring cage pluggable terminal block			L				
24 V DC (13 – 36 V DC) with spring cage pluggable terminal block			M				
48 V DC (36 – 72 V DC) with spring cage pluggable terminal block			N				
88 – 300 V DC / 85 – 264 V AC with spring cage pluggable terminal block							
Power supply 2 (terminal block must be equal to power supply 1)							
No power supply option			N				
24 V DC (13 – 36 V DC)			A				
48 V DC (36 – 72 V DC)			B				
88 – 300 V DC / 85 – 264 V AC			C				
12 V DC (10.5 – 15 V DC)			G				
Manufacturing modification							
Standard						0	
Conformal coating						1	

Service panel location

Mounted on the front (connector side)	A00
Mounted on the back (heatsink side)	A01

Z options	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6
RUGGEDCOM RMM2931-4, blank module	B00	C00	D00	E00	F00	G00
RUGGEDCOM RMM2973-4RJ45, 4 x RJ45, 10/100/1000 BASE-TX	B01	C01	D01	E01	F01	G01
RUGGEDCOM RMM2973-4FC, 4 x FastConnect (RJ45), 10/100/1000 BASE-TX	B02	C02	D02	E02	F02	G02
RUGGEDCOM RMM2973-4POE, Power-over-Ethernet	B03	C03	D03	E03	F03	G03

Z options	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6
RUGGEDCOM RMM2973-4PFC, 4 x FastConnect (RJ45), Power-over-Ethernet	B04	C04	D04	E04	F04	G04
RUGGEDCOM RMM2942-4LC2, 4 x LC-Interface, 100BASE-FX, multi-mode, 1300 nm	B05	C05	D05	E05	F05	G05
RUGGEDCOM RMM2972-4SFP, 4 x SFP slot, supporting 100BASE-FX, 1000BASE-X SFPs (SFPs are not included)	B06	C06	D06	E06	F06	G06
RUGGEDCOM RMM2972-2RNA to support HSR/PRP functions, port A and B, 2 x 100/1000 BASE-X SFPs (SFPs are not included)	B40	C40	–	–	–	–
RUGGEDCOM RMM2973MC-4RJ45 for IEEE 802.1AE MACsec functionality, 4 x RJ45, 10/100/1000 BASE-TX	B10	C10	D10	E10	F10	G10
RUGGEDCOM RMM2972M-4SFP for IEEE 802.1AE MACsec functionality, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included.	B11	C11	D11	E11	F11	G11
RUGGEDCOM RMM2973-4PM12X, 4 x M12 X-Coded with Power-over-Ethernet (100/1000 Mbps)	B20	C20	D20	E20	F20	G20
RUGGEDCOM RMM2973-4BM12X, 4 x M12 X-Coded with 2 x Bypass (100/1000 Mbps)	B21	C21	D21	E21	F21	G21
Examples	Order code					
RUGGEDCOM RST2228P with 2 x 24 V DC power supplies with screw terminal blocks, 19" rack mounting kit, panel mounting kit, Ethernet connectors on rear, LED panel on front, power connector on rear with 2 x RUGGEDCOM RMM2973-4POE, 2 x RUGGEDCOM RMM2973-4PFC, and 2 x RUGGEDCOM RMM2972-4SFP media modules	6GK6222-6PB00-5AA0-Z A00 + B03 + C03 + D04 + E04 + F06 + G06					

RUGGEDCOM RST2228 and RST2228P media modules



RMM2931-4



RMM2973-4RJ45



RMM2973M-4RJ45



RMM2973-4FC



RMM2973-4PoE



RMM2973-4PFC



RMM2972-4SFP



RMM2973M-4SFP



RMM2942-4LC2



RMM2972-2RNA



RMM2973-4PM12X



RMM2973-4BM12X

Modules	Article number
Standard modules	
RUGGEDCOM RMM2931-4, blank module	6GK6293-1BA00-4AA0
RUGGEDCOM RMM2973-4RJ45, 4 x RJ45, 10/100/1000 BASE-TX	6GK6297-3RD00-4AB0
RUGGEDCOM RMM2973-4FC, 4 x FastConnect (RJ45), 10/100/1000 BASE-TX	6GK6297-3FD00-4AB0
RUGGEDCOM RMM2973-4POE, Power-over-Ethernet (PoE) 4 x RJ45, compatible with RUGGEDCOM RST2228P	6GK6297-3PD00-4AB0
RUGGEDCOM RMM2973-4PFC, Power-over-Ethernet (PoE) 4 x FastConnect RJ45, compatible with RUGGEDCOM RST2228P	6GK6297-3WD00-4AB0
RUGGEDCOM RMM2973M-4RJ45, to support IEEE 802.1AE MACsec functionality, 4 x RJ45, 10/100/1000 BASE-TX	6GK6297-3RM00-4AB0
RUGGEDCOM RMM2942-4LC2, 4 x LC-Interface, 100BASE-FX, multi-mode, 1300 nm	6GK6294-2LD00-4AC0
RUGGEDCOM RMM2972-4SFP, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included	6GK6297-2SA00-4AA0
RUGGEDCOM RMM2972-2RNA, to support HSR/PRP functions, port A and B, 2 x 100/1000 BASE-X SFPs (SFPs are not included)	6GK6297-8SB00-2AA0

Modules	Article number
RUGGEDCOM RMM2972M-4SFP, to support IEEE 802.1AE MACsec functionality, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs (SFPs are not included)	6GK6297-2SM00-4AA0
RUGGEDCOM RMM2973-4PM12X, 4 x M12 X-Coded with Power-over-Ethernet (100/1000 Mbps)	6GK6297-3MP00-4AB0
RUGGEDCOM RMM2973-4BM12X, 4 x M12 X-Coded with 2 x Bypass (100/1000 Mbps)	6GK6297-3MB00-4AB0
Conformal coated modules	
RUGGEDCOM RMM2973C-4RJ45, 4 x RJ45, 10/100/1000 BASE-TX with conformal coating	6GK6297-3RD00-4AB1
RUGGEDCOM RMM2973C-4FC, 4 x FastConnect (RJ45), 10/100/1000 BASE-TX with conformal coating	6GK6297-3FD00-4AB1
RUGGEDCOM RMM2973MC-4RJ45, to support IEEE 802.1AE MACsec functionality, 4 x RJ45, 10/100/1000 BASE-TX, with conformal coating	6GK6297-3RM00-4AB1
RUGGEDCOM RMM2973C-4POE, Power-over-Ethernet with conformal coating, compatible with RUGGEDCOM RST2228P	6GK6297-3PD00-4AB1
RUGGEDCOM RMM2973C-4PFC, 4 x FastConnect (RJ45), Power-over-Ethernet with conformal coating, compatible with RUGGEDCOM RST2228P	6GK6297-3WD00-4AB1
RUGGEDCOM RMM2942C-4LC2, 4 x LC-Interface, 100BASE-FX, multi-mode, 1300 nm with conformal coating	6GK6294-2LD00-4AC1
RUGGEDCOM RMM2972MC-4SFP, to support IEEE 802.1AE MACsec functionality, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs (SFPs are not included), with conformal coating	6GK6297-2SM00-4AA1
RUGGEDCOM RMM2972C-4SFP, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included, with conformal coating	6GK6297-2SA00-4AA1
RUGGEDCOM RMM2972-2RNA, media module for RUGGEDCOM RST2228/P, to support HSR/PRP functions, port A and B, 2 x 100/1000 BASE-X SFPs (SFPs are not included), with conformal coating	6GK6297-8SB00-2AA1
RUGGEDCOM RMM2973-4PM12X, 4 x M12 X-Coded with Power-over-Ethernet (100/1000 Mbps)	6GK6297-3MP00-4AB1
RUGGEDCOM RMM2973-4BM12X, 4 x M12 X-Coded with 2 x Bypass (100/1000 Mbps)	6GK6297-3MB00-4AB1
Accessories	
Power supply connector kit with pluggable terminal blocks for RUGGEDCOM RST2228 and RST2228P (1 set)	6GK6000-8HC05-0AA0
Power supply connector kit with screw terminal blocks for RUGGEDCOM RST2228 and RST2228P (1 set)	6GK6000-8HC06-0AA0

RUGGEDCOM RPS2410 power supply for PoE



Product	Description	Order code
RUGGEDCOM RPS2410		
	19" rack form factor, power supply with 120/264 V AC or 150 – 250 V DC input and 54V/11.1 A output, designed for use in Power-over-Ethernet (PoE) systems or any system that requires 54 V DC power	6GK6000-8HS02-0AA0
	19" rack form factor, power supply with 120/264 V AC or 150 – 250 V DC input and 54V/11.1 A output, designed for use in Power-over-Ethernet (PoE) systems or any system that requires 54 V DC power with conformal coating	6GK6000-8HS02-0AA1

RUGGEDCOM RSG2300



G_RCMO_XX_00153

Product	Article number									
RUGGEDCOM RSG2300	6GK6023-0AS2	.	-	.	.	.	.	.	-	Z
Power supply 1										
24 V DC (10 – 36 V DC) with screw terminal block	1									
48 V DC (36 – 72 V DC) with screw terminal block	2									
88 – 300 V DC / 85 – 264 V AC with screw terminal block	3									
24 V DC (10 – 36 V DC) with pluggable terminal block	4									
48 V DC (36 – 72 V DC) with pluggable terminal block	5									
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block	6									
Power supply 2 (terminal block must be equal to power supply 1)										
No power supply 2	0									
24 V DC (10 – 36 V DC) with screw terminal block	1									
48 V DC (36 – 72 V DC) with screw terminal block	2									
88 – 300 V DC / 85 – 264 V AC with screw terminal block	3									
24 V DC (10 – 36 V DC) with pluggable terminal block	4									
48 V DC (36 – 72 V DC) with pluggable terminal block	5									
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block	6									
Mounting options										
No mounting option									A	
19" rack mounting kit									D	
DIN rail and panel mounting kit									E	
19" rack, DIN rail and panel mounting kit									F	
Connections										
Ethernet interfaces on rear, LED panel on front; power connector on rear									B	
Ethernet interfaces on front, LED panel on front; power connector on rear									C	
Ethernet interfaces on rear, LED panel on top; power connector on rear									D	
Ethernet interfaces on front, LED panel on top; power connector on rear									E	
Manufacturing modification										
Standard									0	
Conformal coating									1	
Examples										
Order code										
RUGGEDCOM RSG2300 with 2 x 48 V DC with screw terminal block power supplies, 19" rack mounting kit, Ethernet connectors on rear, LED panel on front, power connector on rear; + 28 x 10/100BASE-TX RJ45 + 4 x 1000BASE-LX, single-mode, 70 km SFP										
6GK6023-0AS13-3DB0-Z A01+ B01+ C11+ D11										

Z options	Slot 1	Slot 2
No module	A00	B00
2 x 10/100BASE-TX RJ45	A01	B01
2 x 10BASE-FL, multi-mode, 850 nm, ST	A02	B02
2 x 100BASE-FX, multi-mode, 1300 nm, ST	A03	B03
2 x 100BASE-FX, multi-mode, 1300 nm, SC	A04	B04
2 x 100BASE-FX, multi-mode, 1300 nm, LC	A05	B05
2 x 100BASE-FX, multi-mode, 1300 nm, MTRJ	A06	B06
2 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km	A07	B07
2 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km	A08	B08
2 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A09	B09
2 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	A10	B10
2 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	A11	B11
2 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	A12	B12
2 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	A13	B13

Z options	Slot 3	Slot 4
No module	C00	D00
2 x 10/100/1000BASE-TX RJ45	C01	D01
2 x 1000BASE-SX, multi-mode, 850 nm, LC, 500 m	C02	D02
2 x 1000BASE-LX, single-mode, 1310 nm, SC, 10 km	C03	D03
2 x 1000BASE-LX, single-mode, 1310 nm, LC, 10 km	C04	D04
2 x 1000BASE-LX, single-mode, 1310 nm, SC, 25 km	C05	D05
2 x 1000BASE-LX, single-mode, 1310 nm, LC, 25 km	C06	D06
2 x 1000BASE-LX SFP, blank (no optical transceiver)	C07	D07
2 x 1000BASE-SX SFP, multi-mode, 850 nm, LC, 500 m (incl. 2 x SFP1122-1SX)	C08	D08
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 10 km (incl. 2 x SFP1132-1LX10)	C09	D09
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 25 km (incl. 2 x SFP1132-1LX25)	C10	D10
2 x 1000BASE-LX SFP, single-mode, 1550 nm, LC, 70 km (incl. 2 x SFP1132-1LX70)	C11	D11
2 x 1000BASE-LX GBIC, blank (no optical transceiver)	C12	D12
2 x 1000BASE-LX GBIC, single-mode, 1310 nm, SC, 10 km	C13	D13
2 x 1000BASE-LX GBIC, single-mode, 1310 nm, SC, 25 km	C14	D14
2 x 1000BASE-LX GBIC, single-mode, 1550 nm, SC, 70 km	C15	D15
2 x 100BASE-FX, multi-mode, 1300 nm, ST	C16	D16
2 x 100BASE-FX, multi-mode, 1300 nm, SC	C17	D17
2 x 100BASE-FX, multi-mode, 1300 nm, LC	C18	D18
2 x 100BASE-FX, multi-mode, 1300 nm, MTRJ	C19	D19
2 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km	C20	D20
2 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km	C21	D21
2 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	C22	D22
2 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	C23	D23
2 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	C24	D24
2 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	C25	D25
2 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	C26	D26
2 x 1000BASE-TX, SFP, RJ45 (incl. 2 x SFP1112-1)	C27	D27

RUGGEDCOM RST2428P



Product	Article number					
RUGGEDCOM RST2228P	6GK6242-6PA00-	.	.	.	.	- Z
Mounting options						
No mounting option	0					
19" rack mounting kit, panel mounting kit	5					
Power supply 1						
24 V DC (13 – 36 V DC) with screw terminal block		A				
48 V DC (36 – 72 V DC) with screw terminal block		B				
88 – 300 V DC / 85 – 264 V AC with screw terminal block		C				
24 V DC (13 – 36 V DC) with pluggable terminal block		D				
48 V DC (36 – 72 V DC) with pluggable terminal block		E				
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block		F				
12 V DC (10.5 – 15 V DC) with screw terminal block		G				
12 V DC (10.5 – 15 V DC) with pluggable terminal block		H				
12 V DC (10.5 – 15 V DC) with spring cage pluggable terminal block		K				
24 V DC (13 – 36 V DC) with spring cage pluggable terminal block		L				
48 V DC (36 – 72 V DC) with spring cage pluggable terminal block		M				
88 – 300 V DC / 85 – 264 V AC with spring cage pluggable terminal block		N				
Power supply 2 (terminal block must be equal to power supply 1)						
No power supply option					N	
24 V DC (13 – 36 V DC)					A	
48 V DC (36 – 72 V DC)					B	
88 – 300 V DC / 85 – 264 V AC					C	
12 V DC (10.5 – 15 V DC)					G	
Manufacturing modification						
Standard						0
Conformal coating						1
Service panel location						
Mounted on the front (connector side)	A00					
Mounted on the back (heatsink side)	A01					
Z options	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6
RUGGEDCOM RMM2931-4, blank module	B00	C00	D00	E00	F00	G00
RUGGEDCOM RMM2973-4RJ45, 4 x RJ45, 10/100/1000 BASE-TX	B01	C01	D01	E01	F01	G01
RUGGEDCOM RMM2973-4FC, 4 x FastConnect (RJ45), 10/100/1000 BASE-TX	B02	C02	D02	E02	F02	G02
RUGGEDCOM RMM2973-4POE, Power-over-Ethernet	B03	C03	D03	E03	F03	G03
RUGGEDCOM RMM2973-4PFC, 4 x FastConnect (RJ45), Power-over-Ethernet	B04	C04	D04	E04	F04	G04
RUGGEDCOM RMM2942-4LC2, 4 x LC-Interface, 100BASE-FX, multi-mode, 1300 nm	B05	C05	D05	E05	F05	G05
RUGGEDCOM RMM2972-4SFP, 4 x SFP slot, supporting 100BASE-FX, 1000BASE-X SFPs (SFPs are not included)	B06	C06	D06	E06	F06	G06
RUGGEDCOM RMM2972-4SFP, 4 x 1/10 GBPS SFP+	B07	-	-	-	-	-
RUGGEDCOM RMM2973-4PM12X, 4 x M12 X-Coded with Power-over-Ethernet (100/1000 Mbps)	B20	C20	D20	E20	F20	G20
RUGGEDCOM RMM2973-4BM12X, 4 x M12 X-Coded with 2 x Bypass (100/1000 Mbps)	B21	C21	D21	E21	F21	G21
Additional Options						
L3BE = L3 Basic Edition	L01					
Examples	Order code					
RUGGEDCOM RST2428P with 2 x 24 V DC power supplies with screw terminal blocks, 19" rack mounting kit, panel mounting kit, Ethernet connectors on rear, LED panel on front, power connector on rear with 2 x RUGGEDCOM RMM2973-4POE, 2 x RUGGEDCOM RMM2973-4PFC, and 2 x RUGGEDCOM RMM2972-4SFP media modules	6GK6222-6PB00-5AA0-Z A00 + B03 + C03 + D04 + E04 + F06 + G06					

RUGGEDCOM RST2428P media modules



RMM2931-4



RMM2973-4RJ45



RMM2973-4FC



RMM2973-4POE



RMM2973-4PFC



RMM2942-4LC2



RMM2972-4SFP



RMM2982-4SFP



R2973-4PM12X



R2973-4BM12X

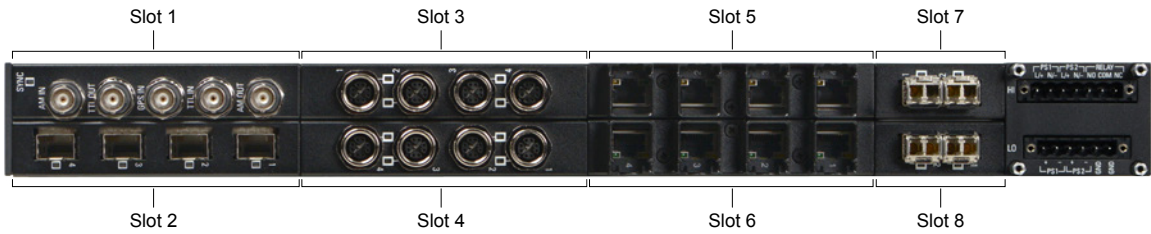
Modules	Article number
Standard modules	
RUGGEDCOM RMM2931-4, blank module	6GK6293-1BA00-4AA0
RUGGEDCOM RMM2973-4RJ45, 4 x RJ45, 10/100/1000 BASE-TX	6GK6297-3RD00-4AB0
RUGGEDCOM RMM2973-4FC, 4 x FastConnect (RJ45), 10/100/1000 BASE-TX	6GK6297-3FD00-4AB0
RUGGEDCOM RMM2973-4POE, Power-over-Ethernet (PoE) 4 x RJ45	6GK6297-3PD00-4AB0
RUGGEDCOM RMM2973-4PFC, Power-over-Ethernet (PoE) 4 x FastConnect RJ45	6GK6297-3WD00-4AB0
RUGGEDCOM RMM2942-4LC2, 4 x LC-Interface, 100BASE-FX, multi-mode, 1300 nm	6GK6294-2LD00-4AC0
RUGGEDCOM RMM2972-4SFP, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included	6GK6297-2SA00-4AA0
RUGGEDCOM RMM2982-4SFP, 4 x 1/10 GBPS SFP+	6GK6298-2SA00-4AA0
Conformal coated modules	
RUGGEDCOM RMM2973C-4RJ45, 4 x RJ45, 10/100/1000 BASE-TX with conformal coating	6GK6297-3RD00-4AB1
RUGGEDCOM RMM2973C-4FC, 4 x FastConnect (RJ45), 10/100/1000 BASE-TX with conformal coating	6GK6297-3FD00-4AB1
RUGGEDCOM RMM2973C-4POE, Power-over-Ethernet with conformal coating	6GK6297-3PD00-4AB1
RUGGEDCOM RMM2973C-4PFC, 4 x FastConnect (RJ45), Power-over-Ethernet with conformal coating	6GK6297-3WD00-4AB1
RUGGEDCOM RMM2942C-4LC2, 4 x LC-Interface, 100BASE-FX, multi-mode, 1300 nm, with conformal coating	6GK6294-2LD00-4AC1
RUGGEDCOM RMM2972MC-4SFP, to support IEEE 802.1AE MACsec functionality, 4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs (SFPs are not included), with conformal coating	6GK6297-2SM00-4AA1
RUGGEDCOM RMM2973-4PM12X, 4 x M12 X-Coded with Power-over-Ethernet (100/1000 Mbps)	6GK6297-3MP00-4AB1
RUGGEDCOM RMM2973-4BM12X, 4 x M12 X-Coded with 2 x Bypass (100/1000 Mbps)	6GK6297-3MB00-4AB1
Accessories	
Power supply connector kit with pluggable terminal blocks for RUGGEDCOM RST2428P (1 set)	6GK6000-8HC07-0AA0
Power supply connector kit with screw terminal blocks for RUGGEDCOM RST2428P (1 set)	6GK6000-8HC08-0AA0

RUGGEDCOM RPS2410 power supply for PoE



Product	Description	Order code
RUGGEDCOM RPS2410	19" rack form factor, power supply with 120/264 V AC or 150 – 250 V DC input and 54V/11.1 A output, designed for use in Power-over-Ethernet (PoE) systems or any system that requires 54 V DC power	6GK6000-8HS02-0AA0
	19" rack form factor, power supply with 120/264 V AC or 150 – 250 V DC input and 54V/11.1 A output, designed for use in Power-over-Ethernet (PoE) systems or any system that requires 54 V DC power with conformal coating	6GK6000-8HS02-0AA1

RUGGEDCOM RSG2488



Product	Article number									
RUGGEDCOM RSG2488	6GK6024-8GS2	.	-	.	.	A	.	-	Z	
Power supply 1										
24 V DC (10 – 36 V DC) with screw terminal block		1								
48 V DC (36 – 72 V DC) with screw terminal block		2								
88 – 300 V DC / 85 – 264 V AC with screw terminal block		3								
24 V DC (10 – 36 V DC) with pluggable terminal block		4								
48 V DC (36 – 72 V DC) with pluggable terminal block		5								
88 – 300 V DC / 85 – 264 V AC with pluggable terminal block		6								
Power supply 2 (terminal block must be equal to power supply 1)										
No power supply 2						0				
24 V DC (13 – 36 V DC)						1				
w48 V DC (37 – 72 V DC)						2				
88 – 300 V DC / 85 – 264 V AC						3				
Mounting options										
No mounting option							A			
19" rack mounting kit							D			
DIN rail and panel mounting kit							E			
19" rack, DIN rail and panel mounting kit							F			
Manufacturing modification										
Standard									0	
Conformal coating									1	

Examples	Order code					
RUGGEDCOM RSG2488 with 1 x 48 V DC with screw terminal block power supply, 19" rack mounting kit + 28 blank SFP-slots	6GK6024-8GS21-0DA0-Z A08 + B08 + C08 + D08 + E08 + F08 + G65 + H65					
Z options	Slot 1	Slot 2	Slot 3	Slot 4	Slot 5	Slot 6
4-port blank assembly module	A00	B00	C00	D00	E00	F00
4 x 10/100/1000BASE-TX RJ45	A01	B01	C01	D01	E01	F01
4 x 10/100/1000BASE-TX FactConnect	A02	B02	C02	D02	E02	F02
4 x 10/100/1000BASE-TX M12 "A-coded"	A03	B03	C03	D03	E03	F03
4 x 10/100/1000BASE-TX M12 "X-coded"	A04	B04	C04	D04	E04	F04
4 x 1000BASE-SX, multi-mode, 850 nm, LC, 500 m	A05	B05	C05	D05	E05	F05
4 x 1000BASE-LX, single-mode, 1310 nm, SC, 10 km	A06	B06	C06	D06	E06	F06
4 x 1000BASE-LX, single-mode, 1310 nm, LC, 10 km	A07	B07	C07	D07	E07	F07
4 x blank SFP (no optical transceiver)	A08	B08	C08	D08	E08	F08
4 x 1000BASE-SX SFP, multi-mode, 850 nm, LC, 500 m (incl. 4 x SFP1122-1SX)	A09	B09	C09	D09	E09	F09
4 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 10 km (incl. 4 x SFP1132-1LX10)	A10	B10	C10	D10	E10	F10
4 x 1000BASE-LX SFP, single-mode, 1300 nm, LC, 25 km (incl. 4 x SFP1132-1LX25)	A11	B11	C11	D11	E11	F11
4 x 1000BASE-LX SFP, single-mode, 1550 nm, LC, 70 km (incl. 4 x SFP1132-1LX70)	A12	B12	C12	D12	E12	F12
4 x 100BASE-FX, multi-mode, 1300 nm, ST, 2 km	A13	B13	C13	D13	E13	F13
4 x 100BASE-FX, multi-mode, 1300 nm, SC, 2 km	A14	B14	C14	D14	E14	F14
4 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km	A15	B15	C15	D15	E15	F15
4 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A17	B17	C17	D17	E17	F17
4 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	A18	B18	C18	D18	E18	F18
4 x 100BASE-FX, multi-mode, 1300 nm, LC, 2 km	A19	B19	C19	D19	E19	F19
4 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	A21	B21	C21	D21	E21	F21
4 x 1000BASE-LX, single-mode, 1310 nm, LC, 25 km	A24	B24	C24	D24	E24	F24
Precision Time Protocol (PTP) module: GPS in, IRIG-B AM/TTL on/out	A59					
Z options					Slot 7	Slot 8
RUGGEDCOM RSG2488 2-port blank assembly module					G60	H60
2 x 10/100/1000BASE-TX RJ45					G61	H61
2 x 10/100/1000BASE-TX FastConnect					G62	H62
2 x 10/100/1000BASE-TX M12 "A-coded"					G63	H63
2 x 10/100/1000BASE-TX M12 "X-coded"					G64	H64
2 x blank SFP (no optical transceiver)					G65	H65
2 x 1000BASE-SX SFP, multi-mode, 850 nm, LC, 500 m (incl. 2 x SFP1122-1SX)					G67	H67
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 10 km (incl. 2 x SFP1132-1LX10)					G68	H68
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 25 km (incl. 2 x SFP1132-1LX25)					G69	H69
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 70 km (incl. 2 x SFP1132-1LX70)					G70	H70
2 x 100BASE-FX SFP, multi-mode, 1310 nm, LC 2 km (incl. 2 x SFP1121-1FX2)					G71	H71

Media modules

Modules	Description	Article number	
Power supplies		Standard	Conformal coating
24 V DC (10 – 36 V DC)		6GK6000-8PS11-1EA0	6GK6000-8PS11-1EA1
48 V DC (36 – 72 V DC)		6GK6000-8PS12-1EA0	6GK6000-8PS12-1EA1
88 – 300 V DC / 85 – 264 V AC		6GK6000-8PS13-1EA0	6GK6000-8PS13-1EA1
4-Slot modules			
RMM2431-4	Blank module for 4-port-width slots	6GK6000-8AA00-4EA0	6GK6000-8AA00-4EA1
RMM2473-4RJ45	4 x RJ45, 10/100/1000BASE-TX	6GK6000-8CG01-4EA0	6GK6000-8CG01-4EA1
RMM2473-4FC	4 x FastConnect RJ45, 10/100/1000BASE-TX	6GK6000-8CG02-4EA0	6GK6000-8CG02-4EA1
RMM2474-4LC	4 x 1000 Mbps LC-interface, 1000BASE-SX, MM up to 500 m, 850 nm	6GK6000-8FG01-4EA0	6GK6000-8FG01-4EA1
RMM2475-4LC10	4 x 1000 Mbps LC-interface, optical: 1000BASE-LX, SM up to 10 km	6GK6000-8FG03-4EA0	6GK6000-8FG03-4EA1
RMM2472-4SFP	4 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included	6GK6000-8FG50-4EA0	6GK6000-8FG50-4EA1
SM = single-mode, MM = multi-mode			

Modules	Description	Article number	
RMM2474-4SFP	4 x SFP-slot, incl. 4 x SFP1122-1SX, 1000 Mbps, MM up to 500 m, 850 nm	6GK6000-8FG51-4EA0	6GK6000-8FG51-4EA1
RMM2475-4SFP10	4 x SFP-slot, incl. 4 x SFP1132-1LX10, 1000 Mbps, SM up to 10 km, 1310 nm	6GK6000-8FG52-4EA0	6GK6000-8FG52-4EA1
RMM2475-4SFP25	4 x SFP-slot, incl. 4 x SFP1132-1LX25, 1000 Mbps, SM up to 25 km, 1310 nm	6GK6000-8FG53-4EA0	6GK6000-8FG53-4EA1
RMM2475-4SFP70	4 x SFP-slot, incl. 4 x SFP1132-1LX70, 1000 Mbps, SM up to 70 km, 1550 nm	6GK6000-8FG54-4EA0	6GK6000-8FG54-4EA1
RMM2464-4ST2	4 x 100 Mbps ST-interface, optical: 100BASE-FX, MM up to 2 km, 1300 nm	6GK6000-8FX01-4EA0	6GK6000-8FX01-4EA1
RMM2465-4ST20	4 x 100 Mbps ST-interface, optical: 100BASE-FX, SM up to 20 km, 1310 nm	6GK6000-8FX04-4EA0	6GK6000-8FX04-4EA1
RMM2465-4LC20	4 x 100 Mbps LC-interface, optical: 100BASE-FX, SM up to 20 km, 1310 nm	6GK6000-8FX06-4EA0	6GK6000-8FX06-4EA1
RMM2464-4LC2	4 x 100 Mbps LC-interface, optical: 100BASE-FX, MM up to 2 km, 1300 nm	6GK6000-8FX11-4EA0	6GK6000-8FX11-4EA1
RMM2475-4LC25	4 x 1000 Mbps LC-interface, optical: 100BASE-LX, SM up to 25 km, 1310 nm	6GK6000-8FG05-4EA0	6GK6000-8FG05-4EA1
RMM2475-4SC10	4 x 1000 Mbps SC-interface, optical: 100BASE-LX, SM up to 10 km, 1310 nm	6GK6000-8FG02-4EA0	6GK6000-8FG02-4EA1
RMM2475-4SC50	4 x 1000 Mbps SC-interface, optical: 100BASE-LX, SM up to 25 km, 1310 nm	6GK6000-8FG04-4EA0	6GK6000-8FG04-4EA1
RMM2464-4SC2	4 x 100 Mbps SC-interface, optical: 100BASE-FX, MM up to 2 km, 1300 nm	6GK6000-8FX02-4EA0	6GK6000-8FX02-4EA1
RMM2465-4SC50	4 x 100 Mbps SC-interface, optical: 100BASE-FX, SM up to 50 km, 1310 nm	6GK6000-8FX07-4EA0	6GK6000-8FX07-4EA1
RMM2465-4SC90	4 x 100 Mbps SC-interface, optical: 100BASE-FX, SM up to 90 km, 1310 nm	6GK6000-8FX03-4EA0	6GK6000-8FX03-4EA1
RMM2473-4M12A	4 x M12 "A-coded", 10/100/1000BASE-TX	6GK6000-8CG03-4EA0	6GK6000-8CG03-4EA1
RMM2473-4M12X	4 x M12 "X-coded", 10/100/1000BASE-TX	6GK6000-8CG04-4EA0	6GK6000-8CG04-4EA1
RMM2431-5PTP	PTP module	6GK6000-8PT01-4EA0	6GK6000-8PT01-4EA1
2-Slot modules			
RMM2431-2	Blank module for 2-port-width slots	6GK6000-8AA00-2EA0	6GK6000-8AA00-2EA1
RMM2473-2RJ45	2 x RJ45, 10/100/1000BASE-TX	6GK6000-8CG01-2EA0	6GK6000-8CG01-2EA1
RMM2473-2FC	2 x FastConnect RJ45, 10/100/1000BASE-TX	6GK6000-8CG02-2EA0	6GK6000-8CG02-2EA1
RMM2472-2SFP	2 x SFP-slot, supporting 100BASE-FX, 1000BASE-X SFPs, SFPs are not included	6GK6000-8FG50-2EA0	6GK6000-8FG50-2EA1
RMM2474-2SFP	2 x SFP-slot, incl. 2 x SFP1122-1SX, 1000 Mbps, MM up to 500 m, 850 nm	6GK6000-8FG51-2EA0	6GK6000-8FG51-2EA1
RMM2475-2SFP10	2 x SFP-slot, incl. 2 x SFP1132-1LX10, 1000 Mbps, SM up to 10 km, 1310 nm	6GK6000-8FG52-2EA0	6GK6000-8FG52-2EA1
RMM2475-2SFP25	2 x SFP-slot, incl. 2 x SFP1132-1LX25, 1000 Mbps, SM up to 25 km, 1310 nm	6GK6000-8FG53-2EA0	6GK6000-8FG53-2EA1
RMM2475-2SFP70	2 x SFP-slot, incl. 2 x SFP1132-1LX70, 1000 Mbps, SM up to 70 km, 1550 nm	6GK6000-8FG54-2EA0	6GK6000-8FG54-2EA1
RMM2464-2SFP2	2 x SFP-slot, incl. 2 x SFP1132-1LX70, 100 Mbps, MM up to 2 km, 1310 nm	6GK6000-8FX51-2EA0	6GK6000-8FX51-2EA1
RMM2473-2M12A	2 x M12 "A-coded", 10/100/1000BASE-TX	6GK6000-8CG03-2EA0	6GK6000-8CG03-2EA1
RMM2473-2M12X	2 x M12 "X-coded", 10/100/1000BASE-TX	6GK6000-8CG04-2EA0	6GK6000-8CG04-2EA1

SM = single-mode, MM = multi-mode

Accessories

Mounting kits	Article number
RUGGEDCOM RSG2xxx rack mounting kits: rack mounting kit for RUGGEDCOM RSG2100, RSG2300, RS416	6GK6000-8MA10-0AA0
RUGGEDCOM RSG2xxx DIN rail/panel mounting kits: DIN rail/panel mounting kit for RUGGEDCOM RSG2100, RSG2300	6GK6000-8MA20-0AA0
Rack mounting kit for RUGGEDCOM RSG2488	6GK6000-8MK11-1EA0
DIN rail/panel mounting kit for RUGGEDCOM RSG2488	6GK6000-8MK12-1EA0
Rack mounting kit for RUGGEDCOM RST2228, RST2228P, RST2428P	6GK6000-8MA01-0AA0
Miscellaneous	
Console cable (DB9 to RJ45), 6 ft.	6GK6000-8DT00-0AA0
USB console cable, USB 2.0 A type to B type cable assembly 10 feet/3 meters	6GK6000-8DT01-0AA0
GPS Kit including GPS antenna, mounting bracket, and 15 meter antenna cable for PTP module of the RUGGEDCOM RSG2488	6GK6000-8NC00-0AA0
Safety cover kit for RUGGEDCOM RSG2100, RSG2300	6GK6000-8HC00-0AA0
RJ45 dust covers for RUGGEDCOM products, 8 pieces	6GK6000-8HT01-0CA0
RUGGEDCOM CLP 2GB: storage media for simple device exchange in case of failure, for storage of configuration or user data with 2 GB capacity	6GK6000-8RA00-1HA0
RUGGEDCOM CLP 2GB CC: storage media for simple device exchange in case of failure, for storage of configuration or user data with 2 GB capacity	6GK6000-8RA00-1HA1
1 Gigabyte MicroSD card	6GK6000-8HT01-0SA0
RUGGEDCOM RPS1300 power supply input 120/230 V AC, output 54 V DC/2.6 A, suitable for PoE applications	6GK6000-8HS01-0AA0

Miscellaneous

Power cable with NEMA 5-15P plug with lugs for screwable terminal blocks, 6 ft.	6GK6000-8BA00-0AA0
Power cable with NEMA 5-15P plug without lugs for pluggable terminal blocks, 6 ft.	6GK6000-8BB00-0AA0
Power supply connector kit with 5 pluggable terminal blocks for RUGGEDCOM RSG2100, RSG2300	6GK6000-8HC01-0AA0
Power supply connector kit with screw terminal blocks for RUGGEDCOM RSG2100, RSG2100P, RSG2200, RSG2288, RSG2300, RSG2300P (5 sets)	6GK6000-8HC02-0AA0
Power supply connector kit with pluggable terminal blocks for RUGGEDCOM RSG2488 (5 sets)	6GK6000-8HC03-0AA0
Power supply connector kit with screw terminal blocks for RUGGEDCOM RSG2488 (5 sets)	6GK6000-8HC04-0AA0
Power supply connector kit with pluggable terminal blocks for RUGGEDCOM RST2228 and RST2228P (1 set)	6GK6000-8HC05-0AA0
Power supply connector kit with screw terminal blocks for RUGGEDCOM RST2228 and RST2228P (1 set)	6GK6000-8HC06-0AA0

Fiber optic transceivers			Specifications						RSG2100	RST2228(P)	RSG2300	RST2428P	RSG2488
Product name	Article number	Cable	10000 Mbps	1000 Mbps	100 Mbps	Wave-lengths	Max. range	Temp.					
SFP1112-1	6GK6000-8CG01-0AA0	Copper		1 x RJ45			100 m	0 to +70 °C	●	●	●	●	●
SFP1121-1FX2	6GK6000-8FE51-0AA0	MM			1 x LC	1310 nm	2 km	-40 to +85 °C	●	●	●	●	●
SFP1121-1FX2A	6GK6000-8FE50-0AA0	MM			1 x LC		2 km	-40 to +85 °C	●		●		
SFP1131-1FX20	6GK6000-8FE52-0AA0	SM			1 x LC	1310 nm	20 km	-40 to +85 °C	●	●	●	●	●
SFP1131-1FX50	6GK6000-8FE53-0AA0	SM			1 x LC	1310 nm	50 km	-40 to +85 °C	●	●	●	●	●
SFP1131-1FX90	6GK6000-8FE54-0AA0	SM			1 x LC	1550 nm	90 km	-40 to +85 °C	●	●	●	●	●
SFP1131-1LX10A	6GK6000-8FE60-0AA0	SM			1 x LC		10 km	-40 to +85 °C	●				
SFP1131S-1LX40A	6GK6000-8FE62-0AA0	SM			1 x LC		40 km	-5 to +70 °C	●				
SFP1132-1BX10R	6GK6000-8FB51-0AA0	SM		1 x LC		1310Tx 1490Rx	10 km	-40 to +85 °C	●	●	●	●	●
SFP1132-1BX10T	6GK6000-8FB52-0AA0	SM		1 x LC		1490Tx 1310Rx	10 km	-40 to +85 °C	●	●	●	●	●
SFP1132-1BX40R	6GK6000-8FB53-0AA0	SM		1 x LC		1310Tx 1490Rx	40 km	-40 to +85 °C	●	●	●	●	●
SFP1132-1BX40T	6GK6000-8FB54-0AA0	SM		1 x LC		1490Tx 1310Rx	40 km	-40 to +85 °C	●	●	●	●	●
SFP1122-1SX	6GK6000-8FG51-0AA0	MM		1 x LC		850 nm	500 m	-40 to +85 °C	●	●	●	●	●
SFP1122-1SX2	6GK6000-8FE58-0AA0	MM		1 x LC		1310 nm	2 km	-40 to +85 °C	●	●	●		
SFP1132-1LX10	6GK6000-8FG52-0AA0	SM		1 x LC		1310 nm	10 km	-40 to +85 °C	●	●	●	●	●
SFP1132-1LX25	6GK6000-8FG53-0AA0	SM		1 x LC		1310 nm	25 m	-40 to +85 °C	●	●	●	●	●
SFP1132-1LX40	6GK6000-8FG57-0AA0	SM		1 x LC		1550 nm	40 km	-40 to +85 °C	●	●	●	●	●
SFP1132-1LX70	6GK6000-8FG54-0AA0	SM		1 x LC		1550 nm	70 km	-40 to +85 °C	●	●	●	●	●
SFP1132-1LX100	6GK6000-8FG55-0AA0	SM		1 x LC		1550 nm	100 km	0 to +70 °C	●	●	●	●	●
SFP1132-1LX115	6GK6000-8FE56-0AA0	SM		1 x LC		1550 nm	115 km	-10 to +70 °C	●	●	●	●	●
SFP2123-1SR	6GK6000-8FT50-0AA0	MM	1 x LC				300 m	-40 to +85 °C	●		●		
SFP2133-1LR10	6GK6000-8FT51-0AA0	SM	1 x LC				10 km	-40 to +85 °C	●		●		
SFP2133-1ER40	6GK6000-8FT53-0AA0	SM	1 x LC				40 km	-40 to +85 °C	●		●		
SFP2133-1ZR80	6GK6000-8FT52-0AA0	SM	1 x LC				80 km	-40 to +85 °C	●		●		
GBIC1132-1SM10	6GK6000-8FG58-0AA0	SM		1 x GBIC SC		1300 nm	10 km	-40 to +85 °C	●		●		
GBIC1132-1SM25	6GK60008FG600AA0	SM		1 x GBIC SC		1300 nm	25 km	-40 to +85 °C	●		●		
GBIC1132-1SM70	6GK60008FG730AA0	SM		1 x GBIC SC		1550 nm	70 km	-40 to +85 °C	●		●		
GBIC1132-1SM70	6GK60008FG730AA0	SM		1 x GBIC SC		1550 nm	70 km	-40 to +85 °C	●		●		

SM = single-mode, MM = multi-mode



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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)

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Siemens AG
Process Industries and Drives
Process Automation
Postfach 48 48
90026 Nürnberg
Germany

Siemens Canada Limited
300 Applewood Crescent
Concord, Ontario, L4K 5C7
Canada

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