

Ordering
overview

Edition
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RUGGED COMMUNICATION

RUGGEDCOM

Compact Switches

Layer 2 Ethernet Switches

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

SIEMENS



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



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RUGGEDCOM Selector configuration tool

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 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)**

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

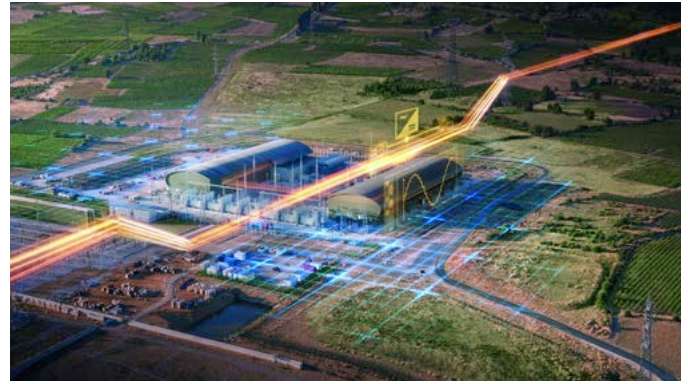
- Full metal enclosure
- Heavy duty mounting
- Industrial terminal blocks for power and I/O connection

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 i800 family

Product	Options	Article number				
RUGGEDCOM i800		6GK6008-0AS20-0	.	.	.	- Z
RUGGEDCOM i800NC		6GK6008-0AS10-0				
	Management options					
	Managed with ROS		M			
	Unmanaged		U			
	Temperature option					
	-20 °C to +60 °C			T		
	-40 °C to +85 °C			U		
	Manufacturing modification					
Standard					0	
Conformal coating					1	
RUGGEDCOM i801		6GK6008-1AS20-0	.	.	.	- Z
RUGGEDCOM i801NC		6GK6008-1AS10-0				
	Management options					
	Managed with ROS		M			
	Unmanaged		U			
	Temperature option					
	-20 °C to +60 °C			T		
	-40 °C to +85 °C			U		
	Manufacturing modification					
Standard					0	
Conformal coating					1	
RUGGEDCOM i802		6GK6008-2AS20-0	.	.	.	- Z
RUGGEDCOM i802NC		6GK6008-2AS10-0				
	Management options					
	Managed with ROS		M			
	Unmanaged		U			
	Temperature option					
	-20 °C to +60 °C			T		
	-40 °C to +85 °C			U		
	Manufacturing modification					
Standard					0	
Conformal coating					1	
RUGGEDCOM i803		6GK6008-3AS20-0	.	.	.	- Z
RUGGEDCOM i803NC		6GK6008-3AS10-0				
	Management options					
	Managed with ROS		M			
	Unmanaged		U			
	Temperature option					
	-20 °C to +60 °C			T		
	-40 °C to +85 °C			U		
	Manufacturing modification					
Standard					0	
Conformal coating					1	

Examples

Order code

RUGGEDCOM i800 managed with ROS with temperature range of -40 °C to +85 °C and conformal coating

6GK6008-0AS20-0MU1-Z

RUGGEDCOM RS900


Product	Options	Article number								
RUGGEDCOM RS900		6GK6090-0AS2	.	-	0	.	A	.	-	Z
	Power supply									
	24 V DC (10 ... 36 V DC)		1							
	48 V DC (36 ... 72 V DC)		2							
	HI (88 ... 300 V DC / 85 ... 264 V AC)		3							
	Mounting option									
	No mounting kit						A			
	DIN rail mounting						B			
	Panel mounting						C			
	Manufacturing modification									
	Standard								0	
	Conformal coating								1	
	Explosive atmosphere coating								2	



Z options	Port 7 & 8	Z options	Port 7 & 8
None	A00	1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km, and 1 x no port	A24
2 x 10/100BASE-TX	A01	2 x 100BASE-FX, single-mode, 1310 nm, SC 20 km	A25
1 x 100BASE-FX, multi-mode, 1300 nm, MTRJ, and 1 x no port	A02	1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km, and 1 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	A26
2 x 100BASE-FX, multi-mode, 1300 nm, MTRJ	A03	1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km, and 1 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	A27
1 x 100BASE-FX, multi-mode, 1300 nm, SC, and 1 x no port	A04	1 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km, and 1 x no port	A28
2 x 100BASE-FX, multi-mode, 1300 nm, SC	A05	2 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	A29
1 x 100BASE-FX, multi-mode, 1300 nm, SC, and 1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km	A06	1 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km, and 1 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	A30
1 x 100BASE-FX, multi-mode, 1300 nm, ST, and 1 x no port	A07	1 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km, and 1 x no port	A31
2 x 100BASE-FX, multi-mode, 1300 nm, ST	A08	1 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	A32
2 x 100BASE-FX, multi-mode, 1300 nm, ST, and 1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km	A09		
1 x 100BASE-FX, multi-mode, 1300 nm, ST, and 1 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km	A10		
1 x 100BASE-FX, multi-mode, 1300 nm, LC, and 1 x no port	A11		
2 x 100BASE-FX, multi-mode, 1300 nm, LC	A12		
1 x 100BASE-FX, multi-mode, 1300 nm, LC, and 1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A13		
1 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km, and 1 x no port	A14		
2 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km	A15		
1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km, and 1 x no port	A16		
2 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A17		
1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km, and 1 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	A18		
1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km, and 1 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	A19		
1 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km, and 1 x no port	A20		
2 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	A21		
1 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km, and 1 x no port	A22		
2 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	A23		
		Z options	Port 9
		None	B00
		1 x 10/100BASE-TX	B01
		1 x 100BASE-FX, multi-mode, 1300 nm, MTRJ	B02
		1 x 100BASE-FX, multi-mode, 1300 nm, SC	B03
		1 x 100BASE-FX, multi-mode, 1300 nm, ST	B04
		1 x 100BASE-FX, multi-mode, 1300 nm, LC	B05
		1 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km	B06
		1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	B07
		1 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	B08
		1 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	B09
		1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km	B10
		1 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	B11
		1 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	B12

Examples
 RUGGEDCOM RS900 with 2 x 24 V DC power supplies, panel mounting kit, conformal coating, 2 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km, and 1 x 100BASE-FX, multi-mode, 1300 nm, ST **6GK6090-0AS21-0CA1-Z A17+B04**


RUGGEDCOM RS900G

Product	Options	Article number									
RUGGEDCOM RS900G		6GK6090-0GS2	.	-	0	.	A	.	-	Z	
	Power supply										
	24 V DC (10 ... 36 V DC)									1	
	48 V DC (36 ... 72 V DC)									2	
	HI (88 ... 300 V DC / 85 ... 264 V AC)									3	
	Mounting option										
	No mounting kit									A	
	DIN rail mounting									B	
	Panel mounting									C	
	Manufacturing modification										
	Standard										0
Conformal coating										1	

Z options	Port 9 & 10
Dual 1000BASE-X SFP, order SFP optics separately	A01
Dual 1000BASE-SX, multi-mode, LC, 850 nm, 500 nm	A02
Dual 1000BASE-LX, single-mode, LC, 1310 nm, 10 km	A03
Dual 1000BASE-LX, single-mode, LC, 1310 nm, 25 km	A04
Dual 1000BASE-LX, single-mode, SC, 1310 nm, 10 km	A05
Dual 1000BASE-LX, single-mode, SC, 1310 nm, 25 km	A06

Examples	Order code
RUGGEDCOM RS900G with 48 V DC (36 ... 72 V DC), DIN rail mounting, standard coating, and dual 1000BASE-SX, multi-mode, LC, 850 nm, 500 nm	6GK6090-0GS22-0BA0-Z A02


RUGGEDCOM RS900GP

Product	Options	Article number
RUGGEDCOM RS900GP		6GK6090-0PS2 0 - 0 . A . - Z
	Mounting option	
	No mounting kit	A
	DIN rail mounting	B
	Panel mounting	C
	Manufacturing modification	
	Standard	0
	Conformal coating	1

Z options	Port 7 & 8
None	A00
2 x 10/100/1000BASE-TX RJ45	A01
2 x 1000BASE-SX, multi-mode, 850 nm, LC, 500 m	A02
2 x 1000BASE-LX, single-mode, 1310 nm, SC, 10 km	A03
2 x 1000BASE-LX, single-mode, 1310 nm, LC, 10 km	A04
2 x 1000BASE-LX, single-mode, 1310 nm, SC, 25 km	A05
2 x 1000BASE-LX, single-mode, 1310 nm, LC, 25 km	A06
2 x 100BASE-FX, multi-mode, 1300 nm, SC	A07
2 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km	A08
2 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km	A09
2 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km	A10
2 x 1000BASE-LX SFP, blank (no optical transceiver)	A11
2 x 1000BASE-SX SFP, multi-mode, 850 nm, LC, 500m	A12
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 10 km	A13
2 x 1000BASE-LX SFP, single-mode, 1310 nm, LC, 25 km	A14
2 x 1000BASE-LX SFP, single-mode, 1550 nm, LC, 70 km	A15
2 x 1000BASE-TX SFP, RJ45	A16
2 x 10/100/1000BASE-TX micro-D	A17

Examples	Order code
RUGGEDCOM RS900GP with no mounting kit, conformal coating, and 2 x1000BASE-TX SFP, RJ45	6GK6090-0PS20-0AA1-Z A16

RUGGEDCOM RSG907R

Product	Options	Article number						
RUGGEDCOM RSG907R		6GK6490-7RB00-	.	.	N	.	-	Z
	Mounting option							
	DIN rail mounting		1					
	DIN rail and panel mounting		3					
	Power supply 1 + terminal block type							
	12/24/48 V DC (10 ... 60 V DC)			A				
	HI (100 ... 240 V AC / 100 ... 300 V DC)			C				
	Manufacturing modification							
Standard							0	
Conformal coating							1	


Examples

RUGGEDCOM RSG907R with DIN rail mounting, 12/24/48 V DC (10 ... 60 V DC), and standard coating

Order code

6GK6490-7RB00-1AN0-Z

RUGGEDCOM RSG908C

Product	Options	Article number						
RUGGEDCOM RSG908C		6GK6490-8CB00-	.	.	N	.	-	Z
	Mounting option							
	DIN rail mounting		1					
	DIN rail and panel mounting		3					
	Power supply 1 + terminal block type							
	12/24/48 V DC (10 ... 60 V DC)				A			
	HI (100 ... 240 V AC / 100 ... 300 V DC)				C			
	Manufacturing modification							
Standard							0	
Conformal coating							1	


Examples

RUGGEDCOM RSG908C with DIN rail and panel mounting, HI (100 ... 240 V AC / 100 ... 300 V DC), and conformal coating

Order code

6GK6490-8CB00-3CN1-Z

RUGGEDCOM RSG909R

Product	Options	Article number						
RUGGEDCOM RSG909R		6GK6498-0RB00-	.	.	N	.	-	Z
	Mounting option							
	DIN rail mounting		1					
	DIN rail and panel mounting		3					
	Power supply 1 + terminal block type							
	12/24/48 V DC (10 ... 60 V DC)			A				
	HI (100 ... 240 V AC / 100 ... 300 V DC)			C				
	Manufacturing modification							
Standard							0	
Conformal coating							1	


Examples

RUGGEDCOM RSG909R with DIN rail and panel mounting, 12/24/48 V DC (10 ... 60 V DC), and conformal coating

Order code

6GK6498-0RB00-3AN1-Z

RUGGEDCOM RSG910C

Product	Options	Article number						
RUGGEDCOM RSG910C		6GK6491-0CB00-	.	.	N	.	-	Z
	Mounting option							
	DIN rail mounting		1					
	DIN rail and panel mounting		3					
	Power supply 1 + terminal block type							
	12/24/48 V DC (10 ... 60 V DC)			A				
	HI (100 ... 240 V AC / 100 ... 300 V DC)			C				
	Manufacturing modification							
Standard							0	
Conformal coating							1	

Examples


RUGGEDCOM RSG910C with DIN rail mounting, HI (100 ... 240 V AC / 100 ... 300 V DC), and standard coating

Order code

6GK6491-0CB00-1CN0-Z

RUGGEDCOM RST916C

NEW

Product	Options	Article number						
RUGGEDCOM RST916C		6GK6491-6CD00-	.	.	N	.	-	Z
	Mounting option							
	DIN rail mounting		1					
	DIN rail and panel mounting		3					
	Power supply 1							
	12/24/48 V DC (10 ... 60 V DC)				A			
	HI (100 ... 240 V AC / 100 ... 300 V DC)				C			
	Manufacturing modification							
Standard							0	
Conformal coating							1	
Operating temperature range								
	-40 °C to +80 °C							

Examples


Order code

RUGGEDCOM RST916C with DIN rail and panel mounting, HI (100 ... 240 V AC / 100 ... 300 V DC), and conformal coating

6GK6491-6CD00-3CN1-Z

RUGGEDCOM RST916P

NEW

Product	Options	Article number						
RUGGEDCOM RST916P		6GK6491-6PD00-	.	P	N	.	-	Z
	Mounting option							
	DIN rail mounting		1					
	DIN rail and panel mounting		3					
	Manufacturing modification							
	Standard							0
	Conformal coating							1
	Operating temperature range							
	-40 °C to +80 °C							

Examples

Order code

RUGGEDCOM RST916P with DIN rail mounting and standard coating

6GK6491-6PD00-1PN0-Z

RUGGEDCOM RSG920P

Product	Options	Article number								
RUGGEDCOM RSG920P		6GK6092-0PS2	.	-	0	.	A	.	-	Z
	Power supply 1									
	LO (9 ... 60 V DC)				1					
	HI (88 ... 300 V DC / 85 ... 264 V AC)				3					
	Mounting option									
	No mounting kit						A			
	DIN rail mounting option*						B			
	Panel mounting option*						C			
	Manufacturing modification									
	None								0	
	Conformal coating								1	
	Explosive atmosphere modification								2	



Z options	Port 17	Port 18	Port 19	Port 20
No SFP Transceiver	A00	B00	C00	D00
SFP, 100BASE-FX, multi-mode, LC, 1310 nm, 2 km	A01	B01	C01	D01
SFP, 100BASE-FX, single-mode, LC, 1310 nm, 20 km	A02	B02	C02	D02
SFP, 1000BASE-SX, multi-mode, LC, 850 nm, 500 m	A03	B03	C03	D03
SFP, 1000BASE-LX, single-mode, LC, 1310 nm, 10 km	A04	B04	C04	D04
SFP, 1000BASE-LX, single-mode, LC, 1310 nm, 25 km	A05	B05	C05	D05
SFP, 1000BASE-LX, single-mode, LC, 1550 nm, 70 km	A06	B06	C06	D06

Examples	Order code
RUGGEDCOM RSG920P with HI (88 ... 300 V DC / 85 ... 264 V AC), panel mounting kit, explosive atmosphere modification, SFP, 1000BASE-LX, single-mode, LC, 1310 nm, 25 km, SFP, 100BASE-FX, multi-mode, LC, 1310 nm, 2 km, SFP, 1000BASE-LX, single-mode, LC, 1550 nm, 70 km and SFP, 100BASE-FX, single-mode, LC, 1310 nm, 20 km	6GK6092-0PS23-0CA2-Z A05+B01+C06+D02


RUGGEDCOM RSL910

Product	Options	Article number						
RUGGEDCOM RSL910 NC		6GK6491-0LA00-	.	.	A	.	-	Z
RUGGEDCOM RSL910		6GK6491-0LB00-	.	.	A	.		
	Mounting option							
	None				0			
	DIN rail mounting				1			
	Panel mounting				2			
	Power supply 1 + terminal block type							
	24 V DC					A		
	48 V DC					B		
	HI (V DC/V AC)					C		
	Manufacturing modification							
	Standard							0
	Conformal coating							1



Examples	Order code
RUGGEDCOM RSL910 with DIN rail mounting, 24 V DC power supply, and standard coating	6GK6491-0LB00-1BA0-Z


RUGGEDCOM RS940G

Product	Options	Article number									
RUGGEDCOM RS940G		6GK6094-0GS2	.	-	0	.	A	.	-	Z	
	Power supply 1										
	24 V DC (10 ... 36 V DC) (+/-)		1								
	48 V DC (36 ... 72 V DC) (+/-)		2								
	HI (88 ... 300 V DC / 85 ... 264 V AC)		3								
	Mounting option										
	No mounting hardware						A				
	DIN rail mounting option*						B				
	Panel mounting option*						C				
	Manufacturing modification										
	None									0	
Conformal coating									1		

Z options	P7P8
XXXX = None	A00
Dual 10/100/1000BASE-TX, RJ45	A01
Dual 1000BASE-TX SFP (Mini-GBIC), order SFP optics separately	A02
Dual 1000BASE-SX, multi-mode, LC, 850 nm, 500 m	A03
Dual 1000BASE-LX, single-mode, LC, 1310 nm, 10 km	A04
Dual 1000BASE-LX, single-mode, LC, 1310 nm, 25 km	A05
Dual 1000BASE-LX, single-mode, SC, 1310 nm, 10 km	A06
Dual 1000BASE-LX, single-mode, SC, 1310 nm, 25 km	A07

Examples	Order code
RUGGEDCOM RS940G with 24V DC (10 ... 36 V DC) (+/-), DIN rail mounting kit, conformal coating and dual 1000BASE-LX, single-mode, LC, 1310 nm, 10 km	6GK6094-0GS21-0BA1-Z A04

RUGGEDCOM RS8000

Product	Options	Article number									
RUGGEDCOM RS8000		6GK6080-0AS2	.	-	0	.	A	.	-	Z	.
	Power supply 1										
	24 V DC (18 ... 36 V DC)	1									
	48 V DC (36 ... 59 V DC)	2									
	HI (88 ... 300 V DC / 85 ... 264 V AC)	3									
	Managed switch functions										
	Unmanaged						U				
	Managed						M				
	Manufacturing modification										
	Standard								0		
	Conformal coating								1		
Fiber options											
MM = 1300 nm, MM, 2 km via SFF MTRJ connectors										A00	
SM4 = 1310 nm, SM, 15 km via SFF LC connectors 4 SM fiber ports										A01	
SM8 = 1310 nm, SM, 15 km via SFF LC connectors 8 SM fiber ports										A02	


Examples

Order code

RUGGEDCOM RS8000 managed switch with 24 V DC power supply and conformal coating

6GK6080-0AS21-0MA1-ZA00

RUGGEDCOM RS8000A

Product	Options	Article number									
RUGGEDCOM RS8000A		6GK6080-0SS2	.	-	0	.	A	.	-	Z	.
	Power supply 1										
	24 V DC (18 ... 36 V DC)	1									
	48 V DC (36 ... 59 V DC)	2									
	HI (88 ... 300 V DC / 85 ... 264 V AC)	3									
	Managed switch functions										
	Unmanaged							U			
	Managed							M			
	Manufacturing modification										
	Standard								0		
	Conformal coating								1		
Fiber options											
MM = 1300 nm, MM, 2 km via SFF MTRJ connectors										A00	
SM = 1310 nm, SM, 15 km via SFF LC connectors										A01	


Examples

Order code

RUGGEDCOM RS8000A managed switch with 24 V DC power supply and conformal coating

6GK6080-0SS21-0MA1-ZA00

RUGGEDCOM RS8000H


Product	Options	Article number									
RUGGEDCOM RS8000H		6GK6080-0AS2	.	-	0	.	A	.	-	Z	.
	Power supply 1										
	24 V DC (18 ... 36 V DC)	1									
	48 V DC (36 ... 59 V DC)	2									
	HI (88 ... 300 V DC / 85 ... 264 V AC)	3									
	Managed switch functions										
	Unmanaged						U				
	Managed						M				
	Manufacturing modification										
	Standard								0		
	Conformal coating								1		
Fiber options											
MMSC = 1300 nm, MM, 2 km via SC connectors										A00	
MMST = 1300 nm, MM, 2 km via ST connectors										A01	
SMSC = 1310 nm, SM, 20 km via SC connectors										A02	
SMST = 1310 nm, SM, 20 km via ST connectors										A03	

Examples

Order code

RUGGEDCOM RS8000H managed switch with 24 V DC power supply and conformal coating **6GK6080-0HS21-0MA1-ZA00**

RUGGEDCOM RS8000T

Product	Options	Article number									
RUGGEDCOM RS8000T		6GK6080-0AS2	.	-	0	.	A	.	-	Z	.
	Power supply 1										
	24 V DC (18 ... 36 V DC)	1									
	48 V DC (36 ... 59 V DC)	2									
	HI (88 ... 300 V DC / 85 ... 264 V AC)	3									
	Managed switch functions										
	Unmanaged						U				
	Managed						M				
	Manufacturing modification										
	Standard								0		
	Conformal coating								1		
Fiber options											
MM = 1300 nm, MM, 2 km via SFF MTRJ connectors										A00	
SM = 1310 nm, SM, 15 km via SFF LC connectors										A01	
0 = no fiber ports										A02	


Examples

Order code

RUGGEDCOM RS8000T managed switch with 24 V DC power supply and conformal coating **6GK6080-0TS21-0MA1-ZA00**

RUGGEDCOM media converters

RUGGEDCOM RMC

Product	Options	Article number						
RUGGEDCOM RMC		6GK6001-0AC0	.	-	0	.	0	.
	Power supply							
	24 V DC (10 ... 36 V DC)		1					
	48 V DC (36 ... 72 V DC)		2					
	HI (88 ... 300 V DC / 85 ... 264 V AC)		3					
	Conversion type							
	TFLMM = MM 820 nm, 2 km ST 1 x 10T to 1 x 10FL multi-mode						B	
	TFLSM = SM 1310 nm, 15 km SFF ST 1 x 10T to 1 x 10FL single-mode						C	
	TXFXMM = MM 1300 nm, 2 km SFF MTRJ 1 x 100TX to 1 x 100FX						D	
	TXFXSM = SM 310 nm, 15 km SFF LC 1 x 100TX to 1 x 100FX						E	
	TXFXMMLC = MM 1300 nm, 2 km LC 1 x 100TX to 1 x 100FX						F	
Manufacturing modification								
Standard								0
Conformal coating								1


Examples

Order code

RUGGEDCOM RMC with 24 V DC power supply, MM 820 nm, 2 km ST 1 x 10T to 1 x 10FL multi-mode conversion type and conformal coating


6GK6001-0AC01-0B01

RUGGEDCOM RMC20

Product	Options	Article number
RUGGEDCOM RMC20		6GK6002-0AC0 . - 0 A A .
	Power supply 1 + terminal block type	
	24 V DC (10 ... 36 V DC)	1
	48 V DC (36 ... 72 V DC)	2
	HI (88 ... 300 V DC / 85 ... 264 V AC)	3
	Manufacturing modification	
	Standard	0
Conformal coating	1	


Examples	Order code
RUGGEDCOM RMC20 with 24 V DC power supply and conformal coating	6GK6002-0AC01-0AA1

RUGGEDCOM RMC30

Product	Options	Article number
RUGGEDCOM RMC30		6GK6003-0AC2 . - 0 A A .
	Power supply 1 + terminal block type	
	24 V DC (18 ... 36 V DC)	1
	48 V DC (36 ... 59 V DC)	2
	HI (88 ... 300 V DC / 85 ... 264 V AC)	3
	Manufacturing modification	
	Standard	0
Conformal coating	1	

Examples	Order code
RUGGEDCOM RMC30 with 24 V DC power supply and conformal coating	6GK6003-0AC21-0AA1


RUGGEDCOM RMC40

Product	Options	Article number
RUGGEDCOM RMC40		6GK6004-0AC0 . - 0 B A . - Z
	Power supply	
	24 V DC (10 ... 36 V DC)	1
	48 V DC (36 ... 72 V DC)	2
	HI (88 ... 300 V DC / 85 ... 264 V AC)	3
	Manufacturing modification	
	Standard	0
	Conformal coating	1


Z options	Port 3/4
Bidirectional SMSC 15/13	A01
Bidirectional SMSC 13/15	A02
1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km, and 1 x no port	A03
1 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km, and 1 x no port	A04
1 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km, and 1 x no port	A05
1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km, and 1 x no port	A06
2 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A07
1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km, and 1 x 100BASEFX, single-mode, 1310 nm, LC, 50 km	A08
1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km, and 1 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	A09
1 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km, and 1 x no port	A10
2 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	A11
1 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km, and 1 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	A12
1 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km, and 1 x no port	A13
2 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km	A14
1 x 100BASE-FX, single-mode, 1310 nm, LC, 90 km, and 1 x 100BASE-FX, multi-mode, 1300 nm, MTRJ	A15
1 x 100BASE-FX, multi-mode, 1300 nm, SC, and 1 x no port	A16
1 x 100BASE-FX, multi-mode, 1300 nm, MTRJ, and 1 x no port	A17
1 x 100BASE-FX, multi-mode, 1300 nm, MTRJ, 1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A18
1 x 100BASE-FX, multi-mode, 1300 nm, MTRJ, 1 x 100BASE-FX, single-mode, 1310 nm, LC, 50 km	A19
2 x 100BASE-FX, multi-mode, 1300 nm, MTRJ	A20
1 x 100BASE-FX, multi-mode, 1300 nm, LC, and 1 x no port	A21
2 x 100BASE-FX, multi-mode, 1300 nm, LC	A22
1 x 100BASE-FX, multi-mode, 1300 nm, ST, and 1 x no port	A23
1 x 100BASE-FX, single-mode, 1310 nm, ST, 20 km, and 1 x no port	A24
2 x 10/100BASE-TX	A25
1 x 100BASE-FX, multi-mode, 1300 nm, LC, and 1 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	A26

Examples	Order code
RUGGEDCOM RMC40 with 24 V DC (10 ... 36 V DC), conformal coating, and 2 x 100BASE-FX, single-mode, 1310 nm, LC, 20 km	6GK6004-0AC01-0BA1-Z A07


RUGGEDCOM RMC41

Product	Options	Article number								
RUGGEDCOM RMC41		6GK6004-1AC0	.	-	0	B	A	.	-	Z
	Power supply									
	24 V DC (10 ... 36 V DC)									1
	48 V DC (36 ... 72 V DC)									2
	HI (88 ... 300 V DC / 85 ... 264 V AC)									3
	Manufacturing modification									
Standard										0
Conformal coating										1
Z options										Port Z
1 x 100BASE-FX, single-mode, 1310 nm, SC, 20 km										A01
1 x 100BASE-FX, single-mode, 1310 nm, SC, 50 km										A02
1 x 100BASE-FX, single-mode, 1310 nm, SC, 90 km										A03
1 x 100BASE-FX, multi-mode, 1300 nm, SC										A04
1 x 100BASE-FX, multi-mode, 1 300 nm, ST										A05
Examples										Order code
RUGGEDCOM RMC41 with 48 V DC (36 ... 72 V DC), standard coating, and 1 x 100BASE-FX, multi-mode, 1300 nm, SC										6GK6004-1AC02-0BA0-Z A04

RUGGEDCOM RMC8388

Product	Options	Article number									
RUGGEDCOM RMC8388		6GK6083-8AC2	.	-	0	.	.	.	-	Z	
	Power supply 1										
	24 V DC (10 ... 36 V DC)									1	
	48 V DC (36 ... 72 V DC)									2	
	HI (88 ... 300 V DC / 85 ... 264 V AC)									3	
	Mounting option										
	No mounting kit										A
	DIN rail mounting										B
	Panel mounting										C
	Conversion variant										
	IEEE 1588 in, IRIG-B TTL out										A
IEEE 1588 in, IRIG-B AM out										B	
IRIG-B AM in, IEEE 1588 out										C	
Manufacturing modification											
Standard										0	
Conformal coating										1	
Z options										Port	
100BASE-TX, RJ45										A00	
100BASE-TX, FastConnect										A01	
100BASE-FX, LC, 2 km										A02	
Examples										Order code	
RUGGEDCOM RMC8388 with 48 V DC (36 ... 72 V DC), panel mounting, IEEE 1588 in, IRIG-B AM out, standard coating, and 100BASE-TX, RJ45										6GK6083-8AC22-0CB0-Z A00	

RUGGEDCOM RP100 power injector

Product	Options	Article number								
RUGGEDCOM RP100		6GK6010-0AP0	.	-	.	A	A	.	-	Z
	Power supply 1									
	HI-AT = rated to 125 ... 250 V DC (88 ... 300) or 100 ... 240 V AC (85 ... 264), Standard 802.3at		1		1					
	HI-RM = rated to 125 ... 250 V DC (88 ... 300) or 100 ... 240 V AC (85 ... 264), RuggedMax Power Delivery (RuggedMax devices only)		2		2					
	LO-AT = rated to 12 V DC, 24 ... 48 V DC (10 ... 60) Standard 802.3at		2		1					
	LO-RM = rated to 12 V DC, 24 ... 48 V DC (10 ... 60), RuggedMax Power Delivery (RuggedMax devices only)		2		2					
	Manufacturing modification									
Standard										0
Conformal coating										1


Examples

Order code

RUGGEDCOM RP100 with HI-AT = rated to 125 ... 250 V DC (88 ... 300) or 100 ... 240 V AC (85 ... 264), Standard 802.3at; LO-AT = rated to 12 V DC, 24 ... 48 V DC (10 ... 60) Standard 802.3at and standard coating

6GK6010-0AP01-1AA0-Z

RUGGEDCOM RPS1300 power supply for PoE

Product	Description	Order code
RUGGEDCOM RPS1300		
	RUGGEDCOM RPS1300 is a NEMA TS 2 compliant power supply capable of providing up to 140 W of power in the temperature range -40 °C to +75 °C	6GK6000-8HS01-0AA0

Accessories

Accessory	Description	Article number
USB console cable	USB 2.0 A type to B type cable assembly 10 feet/3 meters	6GK6000-8DT01-0AA0
Panel mounting kit	Allows wall and other lateral mounting, requires assembly and even mounting plate	6GK6000-8MR20-0AA1
Power cable without lugs	Power cable with NA plug for pluggable terminal blocks (6 ft) for RUGGEDCOM products	6GK6000-8BB00-0AA0
CLP 2 GB	USB storage media, blank, 2 GB capacity, for simple device exchange in case of failure, for storage of configuration or user data	6GK6000-8RA00-1HA0
CLP 2 GB (conformal coated)		6GK6000-8RA00-1HA1
SFP dust covers	12 x SFP dust covers for RUGGEDCOM products	6GK6000-8HT02-0CA0
RJ45 dust covers	8 x RJ45 dust covers for RUGGEDCOM products	6GK6000-8HT01-0CA0
FastConnect FO LC plug	FC FO LC PLUG for on site assembly of FC fiber optic cables (62.5/200/230) Package: 10 units, duplex cleaning cloths	6GK1900-1RB00-2AB0
FC FO termination kit (LC)	FC LC PLUG assembly case for on-site assembly of FC LC connectors and FC fiber optic cables	6GK1900-0RL00-0AA0
Multi mode FO LC duplex plug	LC connector set, for connecting to Ethernet devices with integrated optical multimode interface	6GK1901-0RB10-2AB0
FC FO standard cable GP	Glass fiber optic cable for assembly in the field, for use at permanent location installation in cable channels and pipes, UL approval, delivery unit max. 1 000 m; minimum order quantity 20 m	6XV1847-2A

Type	Media	Distance (km)	SFP name	Article number	RS900G	RS900GP	RSG909R RSG907R	RSG910C RSG908C	RSL910	RST916P RST916C	RSG920P	RS940G
Copper	RJ45	0.1	SFP1112-1	6GK6000-8CG01-0AA0	●	●	●	●		●	●	
			SFP1112-1I	6GK6000-8CG02-0AA0	●		●	●		●	●	
100 Mbps Active	MM	2	SFP1121-1FX2A	6GK6000-8FE50-0AA0			●	●		●		
	SM	10	SFP1131-1FX10A	6GK6000-8FE60-0AA0			●	●		●		
		40	SFP1131S-1FX40A	6GK6000-8FE62-0AA0			●	●		●		
	MM		2	SFP1121-1FX2	6GK6000-8FE51-0AA0		●		●		●	
100 Mbps	SM	20	SFP1131-1FX20	6GK6000-8FE52-0AA0		●			●		●	
		50	SFP1131-1FX50	6GK6000-8FE53-0AA0		●			●		●	
		90	SFP1131-1FX90	6GK6000-8FE54-0AA0		●			●		●	
			SM	10	SFP1132-1BX10R	6GK6000-8FB51-0AA0	●	●		●	●	●
1 Gbps Single-fiber Bidirectional		40		SFP1132-1BX10T	6GK6000-8FB52-0AA0	●	●		●	●	●	●
			SFP1132-1BX40R	6GK6000-8FB53-0AA0	●	●		●	●	●	●	●
		115	SFP1132-1BX40T	6GK6000-8FB54-0AA0	●	●		●	●	●	●	●
			MM	0.5	SFP1122-1SX	6GK6000-8FG51-0AA0	●	●	●	●	●	●
		2		SFP1122-1SX2	6GK6000-8FE58-0AA0			●	●		●	
				10	SFP1132-1LX10	6GK6000-8FG52-0AA0	●	●	●	●	●	●
1 Gbps		25			SFP1132-1LX25	6GK6000-8FG53-0AA0	●	●	●	●	●	●
			SM	40	SFP1132-1LX40	6GK6000-8FG57-0AA0	●	●	●	●	●	●
		70		SFP1132-1LX70	6GK6000-8FG54-0AA0	●	●	●	●	●	●	●
				100	SFP1132-1LX100	6GK6000-8FG55-0AA0	●	●			●	●
		115			SFP1132-1LX115	6GK6000-8FE56-0AA0	●	●			●	●
			10 Gbps	MM	0.4	SFP2123-1SR	6GK6000-8FT50-0AA0					
	10	SFP2133-1LR10			6GK6000-8FT51-0AA0							●
			SM	40	SFP2133-1ER40	6GK6000-8FT53-0AA0						●
				80	SFP2133-1ZR80	6GK6000-8FT52-0AA0						●



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