

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

6GK5216-0BA00-2AC2

SCALANCE XC216 managed Industrial Ethernet switch

OFFICIAL SOURCES

Siemens product data and SCALANCE XC-200 operating instructions

01

DOCUMENT SCOPE

The appended Siemens pages identify the exact article, its SCALANCE XC216 hardware, the applicable operating-instruction family, mounting methods and device dimensions.



SCALANCE XC216 manageable Layer 2 IE switch; IEC 62443-4-2 certified; 16X 10/100 Mbit/s RJ45 ports; 1x console port, diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall Office redundancy functions features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

product type designation	SCALANCE XC216
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	16
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	16; RJ45
number of 10/100 Mbit/s RJ45 ports / integrated	
• with securing collar	16
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for operator console	RJ11
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
design of the removable storage	
• C-PLUG	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	6.6 W
• consumed current / 1 / at rated supply voltage / maximum	0.275 A
• supply voltage / 1 / rated value	9.6 ... 31.2 V
• consumed current / 1 / maximum	0.55 A
• type of electrical connection / 1 / for power supply	4-pole terminal block
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	2.5 A / 125 V
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C

- during storage - during transport	-40 ... +85 °C
relative humidity at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	120 mm
height	147 mm
depth	125 mm
net weight	0.8 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method 35 mm top hat DIN rail mounting - wall mounting - S7-300 rail mounting - S7-1500 rail mounting	Yes Yes Yes Yes
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <1~0.31~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product function / QoS according to DSCP	Yes
product feature - Cut Through switching method - Store & Forward switching method	No Yes
product functions / management, configuration, engineering	
product function - CLI - web-based management - MIB support - TRAPs via email - configuration with STEP 7 - RMON - SMTP server - port mirroring - multiport mirroring - CoS - PROFINET IO diagnosis	Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes
PROFINET conformity class	B
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1632 byte
protocol / is supported - Telnet - HTTP - HTTPS - TFTP - BOOTP - GMRP - DCP - LLDP - EtherNet/IP - SNMP v1 - SNMP v2 - SNMP v3 - IGMP (snooping/querier)	Yes Yes Yes Yes No Yes Yes Yes Yes Yes Yes Yes Yes Yes
identification & maintenance function - I&M0 - device-specific information - I&M1 - higher level designation/location designation	Yes Yes
product functions / diagnostics	
product function	

Introduction

Purpose of the Operating Instructions

These operating instructions support you when installing and connecting up devices of the SCALANCE XC-200 product group.

The configuration and the integration of the devices in a network are not described in these operating instructions.

Validity of the Operating Instructions

These operating instructions apply to the following devices:

- SCALANCE XC206-2 (ST/BFOC)
- SCALANCE XC206-2 (SC)
- SCALANCE XC206-2SFP
- SCALANCE XC208
- SCALANCE XC216
- SCALANCE XC224

Unless mentioned otherwise, the descriptions in these operating instructions refer to all devices of the SCALANCE XC-200 product group named above in the section on validity.

Designations used

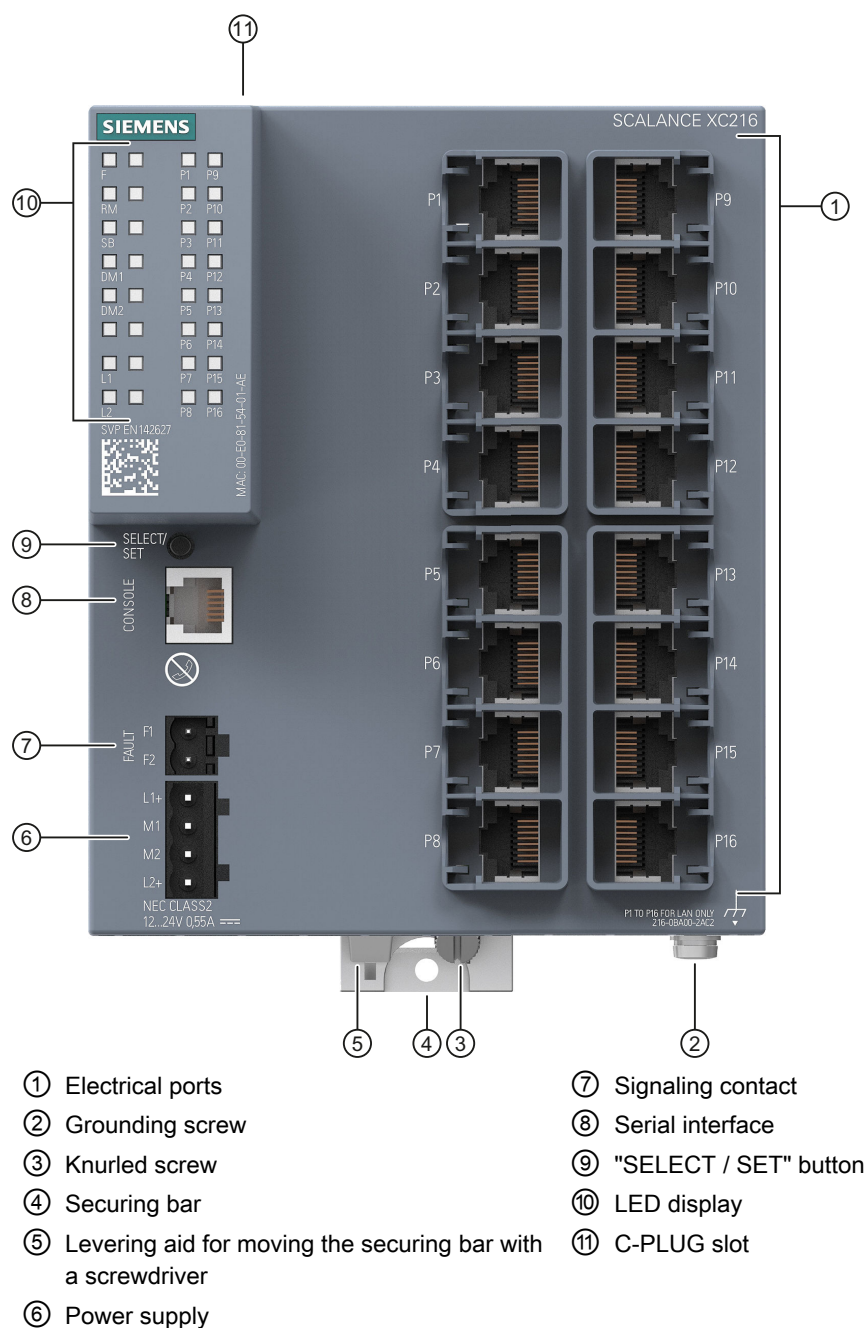
Classification	Description	Terms used
Product line	The product line includes all devices and variants of all product groups. If information applies to all product groups within the product line, the term SCALANCE X-200 is used.	SCALANCE X-200
Product group	If information applies to all devices and variants of a product group, the term SCALANCE XC-200 is used.	SCALANCE XC-200
Device	If information relates to a specific device, the device name is used.	e.g. SCALANCE XC206-2SFP

Additional documentation

In addition, note the Operating Instructions of the pluggable transceivers.

3.2.5 Device view of a SCALANCE XC216

The following figure shows an overview of the components of the SCALANCE XC216.



Dimension drawings

8.1 Dimension drawings SCALANCE XC-200

Note

Dimensions are specified in mm.

Front view SCALANCE XC206-2 (ST/BFOC), SCALANCE XC206-2 (SC), SCALANCE XC206-2SFP and SCALANCE XC208

