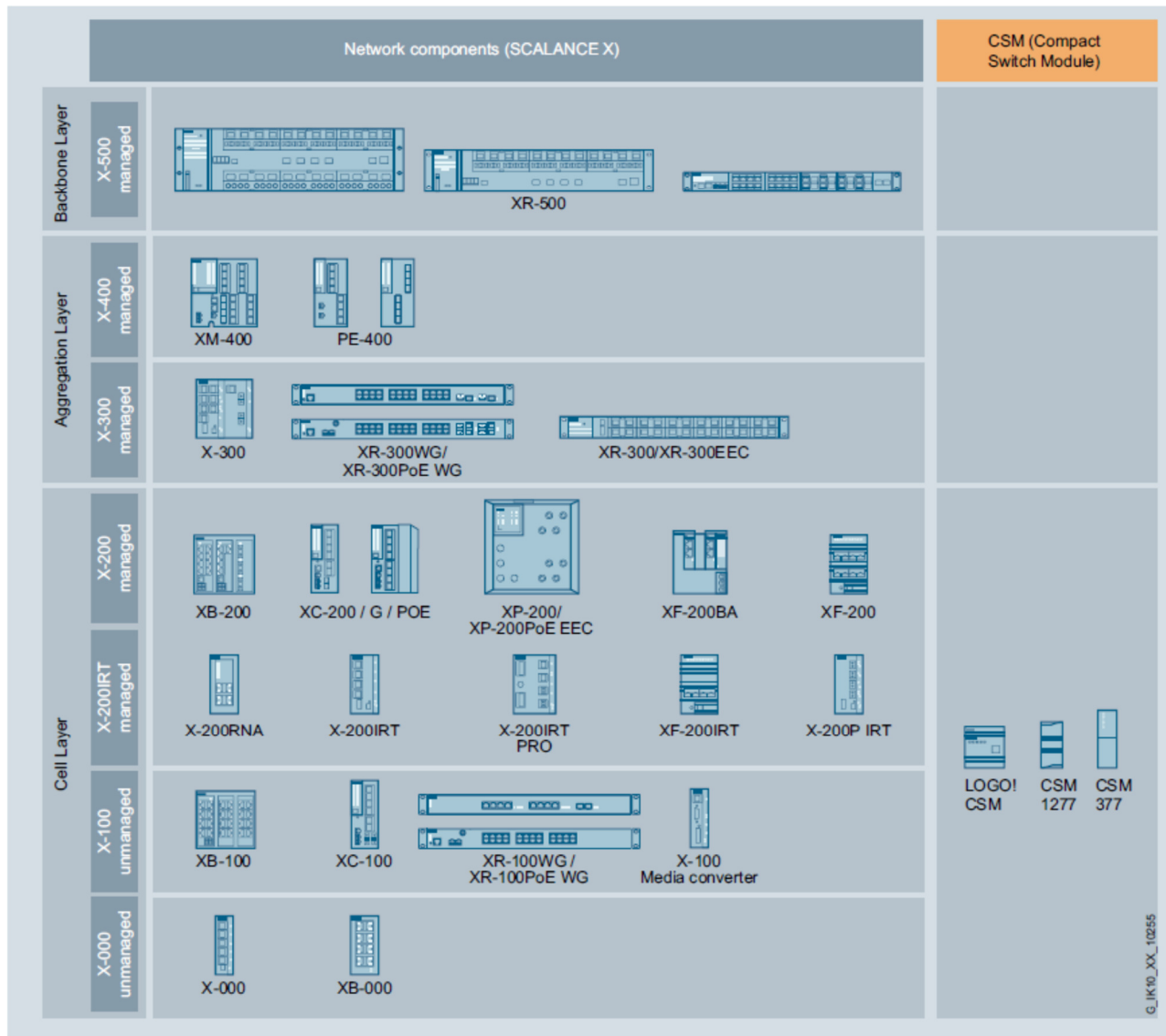


SIEMENS Managed Industrial Ethernet switches

Overview of the portfolio






















Portfolio of the Industrial Ethernet Switches SCALANCE X and Compact Switch Modules (CSM)

	Layer 3 / Routing	19" design	Modular through media modules	Support of Gigabit Ethernet	Support of 10 Gbit/s	PROFINET	EtherNet/IP	Office features (VLAN)	Diagnostic functions	Isynchronous Real-Time (IRT)	Power-over-Ethernet	Can be used under enhanced ambient conditions	Time synchronization to IEEE 1588	Additional interface for SIMATIC S7-300/ ET 200M, S7-1200 or LOGO!
X-500	•	•	•	•	•	•	•	•	•				•	
X-400	•		•	•	•	•	•	•	•		•			
X-300		•	•	•	•	•	•	•	•		•	•	•	
X-200				•	•	•	•	•	•	•	•	•		
X-100		•		•	•						•			
X-000				•								•		
CSM														•

• applies to selected versions

G_1K10_XX_10002

MANAGED LAYER 2			MANAGED LAYER 2/3	
SCALANCE X-200 managed	SCALANCE X-200IRT managed	SCALANCE X-300 managed	SCALANCE X-400 managed layer 2/3	SCALANCE X-500 managed layer 3
For all network structures in machine-oriented applications up to linked units	Acting in hard real-time	Convincing performance – modular and powerful	Segmentation on all levels	Structuring high-performance plants and connecting them to the office IT
Page 8	Page 9	Page 9	Page 10	Page 11
 SCALANCE XF-200  SCALANCE XB-200  SCALANCE XC-200  SCALANCE XF-200BA  SCALANCE XP-200  SCALANCE X-200RNA	 SCALANCE X-200IRT  SCALANCE XF-200BA IRT  SCALANCE X-200IRT PRO	 SCALANCE X-300 (Work Group)  SCALANCE XR-300WG  SCALANCE XR-300  SCALANCE XR-300EEC	 SCALANCE XM-400  Port Extender	 SCALANCE XR524-8C  SCALANCE XR526-8C  SCALANCE XR528-6M  SCALANCE XR552-12M

Highlights managed switches

- Real-time network (PROFINET and EtherNet/IP) and standard TCP/IP, eliminating of duplicate infrastructure
- High network availability due to integrated redundancy mechanisms and system redundancy
- Reduced downtimes by saving data for project planning and configuration
- Integration into existing concepts for network security through integrated security functions
- Configuration through WBM or CLI, local or remote
- Diagnostics through LEDs on the device, via WBM, or network management through SNMP with SINEC NMS
- Integration in the STEP 7 and PCS 7/PCS neo engineering tools
- Seamless system diagnostics with PROFINET
- High network and machine availability

SCALANCE X-200

Universal and convenient

SCALANCE X-200: enable high network availability in different device types

Applications

- For setting up Industrial Ethernet bus, star, and ring structures for high network availability and increased demand on functionality
- For machine-oriented applications and usage in the aggregation layer
- High bandwidth and Power over Ethernet (PoE) if required

- Installation outside the control cabinet and outdoors
- For high temperatures, in harsh ambient conditions and hazardous areas
- Supply for PoE devices outside (e.g., WLAN Access Points)

- Seamless networks with HSR/PRP
- In process automation
- In energy supply systems
- For critical applications that require high availability with system redundancy

Variants

SCALANCE XF-200

- Up to 8 x RJ45/2 x ST/BFOC
- Distances up to 5 kilometers

SCALANCE XB-200

- Up to 13 x RJ45/3 x ST/BFOC or SC
- Distances up to 26 kilometers
- Console port
- For PROFINET and EtherNet/IP applications

SCALANCE XC-200

- Up to 24 x RJ45 (up to 6 x with PoE)/2 x ST/BFOC, SC, or SFP
- Distances up to 200 km via SFPs
- Integrated diagnostics for fiber optic (Fiber Monitoring)
- For PROFINET and EtherNet/IP applications
- Trainside railway approval EN 50121-4

SCALANCE XF-200BA

- Up to 4 x RJ45/4 x SC RJ/4 x LC
- Flexible bus adapter concept
- For EtherNet/IP applications (SCALANCE XF204-2BA only)

SCALANCE XP-200

- Up to 16 x M12, of which 4 x PoE
- Up to 4 x 1 Gbps ports
- Support of redundancy mechanisms MRP, MRP Interconnection, and RSTP+
- Motor vehicle approval e1/E1, variants for railway applications

SCALANCE X-200RNA

- Up to 4 x RJ45 ports/2 x FO
- Enables very short runtimes for network reconfiguration

Highlights

- Transmission rate up to 100 Mbps
- Redundant power supply
- Increased plant availability due to integrated configuration and remote diagnostics

- Transmission rate up to 1 Gbps
- Redundant power supply
- Fast, redundant ring coupling with MRP Interconnection and RSTP+
- Support for VLANs (Virtual Local Area Network)

- Transmission rate up to 1 Gbps
- Redundant power supply

SCALANCE X-200IRT: high availability in real-time

Applications	Variants	Highlights
<ul style="list-style-type: none"> ■ For high-speed Motion Control applications ■ For high-precision applications (isochronous mode) ■ For plant concepts without control cabinet 	<p>SCALANCE X-200IRT</p> <ul style="list-style-type: none"> ■ Up to 4 x RJ45/4 x ST/BFOC or SC RJ <p>SCALANCE XF-200BA IRT</p> <ul style="list-style-type: none"> ■ Flexible bus adapter concept ■ Up to 4 x RJ45 or 4 x SC RJ ■ 2 x bus adapter slots <p>SCALANCE X-200IRT PRO</p> <ul style="list-style-type: none"> ■ Up to 4 x RJ45/3 x SC RJ Push Pull 	<ul style="list-style-type: none"> ■ Transmission rate up to 100 Mbps ■ Support of PROFINET with IRT (Isochronous Real Time) requirements ■ Seamless redundancy (MRPD) for seamless switching ■ Redundant power supply

SCALANCE X-300

Compact high performance

SCALANCE X-300: high network availability and flexibility

Applications	Variants	Highlights
<ul style="list-style-type: none"> ■ For large networks with high functionality and availability ■ High bandwidth and Power over Ethernet (PoE) if required 	<p>SCALANCE X-300</p> <ul style="list-style-type: none"> ■ Up to 20 x RJ45/4 x ST/BFOC, SC, or SFP ■ Up to 2 x 2-port media modules and 2 ports with PoE ■ Transmission rate up to 1 Gbps ■ Distances up to 200 kilometers ■ Approval in accordance with EN 50155 and e1/E1 <p>SCALANCE XR-300WG (Work Group)</p> <ul style="list-style-type: none"> ■ Small mounting depth for installing on both sides in 19" control cabinets ■ Up to 24 x RJ45 ports, 4 x combo ports (up to 24 x 1 Gbps RJ45 PoE) ■ Transmission rate of up to 1 Gbps ■ Support of redundancy mechanisms MRP, MRP Interconnection and RSTP+ <p>SCALANCE XR-300</p> <ul style="list-style-type: none"> ■ Up to 12 x 2-port media modules (up to 8 x RJ45 with PoE) ■ Transmission rate up to 1 Gbps ■ Distances up to 200 kilometers ■ Variant with approval in accordance with EN 50155 and e1/E1 <p>SCALANCE XR-300EEC</p> <ul style="list-style-type: none"> ■ Up to 4 x 2-port media modules ■ Transmission rate up to 1 Gbps ■ Distances up to 200 kilometers ■ Approval acc. to IEC 61850-3 	<ul style="list-style-type: none"> ■ Support of VLANs ■ Redundant power supply ■ Work Group (WG) switches as affordable variants, available with PoE
		<p>Accessories</p> <p>Media modules, plug-in transceivers, and PoE power supply</p> <ul style="list-style-type: none"> ■ 2-port media modules ■ Electrical variants: RJ45, M12, VD (Variable Distance) ■ Optical versions: SC, ST/BFOC ■ Variants for LC plug-in transceivers

SCALANCE X-400

Secure connection of plants via network segmentation

SCALANCE X-400 switches offer high performance in a compact design.

Applications

- For high-performance plant networks
- Network security through segmentation
- For communication in layer 2 or layer 3 networks
- Power over Ethernet (PoE) if required

Variants

SCALANCE XM-400

- 8 x or 16 x RJ45 ports
- Can be extended up to 24 x ports (with port and function extender)
- Transmission rate up to 1 Gbps

Port Extender

- 8 x RJ45 ports with PE408
- 8 x RJ45 ports with PoE with PE408 PoE
- 8 x SFP slots with PE400-8SFP

Highlights

- Modular expandable
- Optional connection of layer 3 functionality
- Support of VLANs
- Console port
- Redundant power supply

Accessories

Power supplies

- 54 V DC power supply for Power over Ethernet according to IEEE 802.3at
- High power for connected end devices possible (up to 30 watts)

Plug-in transceivers

- Optical connection to cables with LC connectors
- Use in combination with SCALANCE XM408-8C, XM416-4C, and PE400-8SFP

SCALANCE X-500

Structuring of plants and connection to the enterprise IT

SCALANCE X-500 switches enable high performance and are available in 19" design with various height units.

Applications

- For structuring high-speed production networks with connection to the enterprise IT
- Network security through segmentation
- For transmission of high data rates (10 Gbps)
- Communication in layer 2 or layer 3 networks

Variants

SCALANCE XR524-8C

- For large scales with 28 ports

SCALANCE XR526-8C

- For large scales with 26 ports

SCALANCE XR528-6M

- For large scales with 28 ports
- Up to 6 x 4-port media modules for electrical and optical connections

SCALANCE XR552-12M

- For very large scales with 52 ports
- Up to 12 x 4-port media modules for electrical and optical connections

Highlights

- Support of VLANs
- Modular with media modules or SFP and SFP+ plug-in transceivers
- Redundant power supply
- Console port
- Granular network extension to 10 Gbps during operation

Accessories

Media modules

- Electrical and optical variants
- 4-port media modules
- Use for SCALANCE XR552-12M and XR528-6M

Plug-in transceivers

- SFP plug-in transceiver with transmission rates up to 100 or 1000 Mbps
- SFP+ plug-in transceiver with 10 Gbps
- Optical connection to cables with LC connectors

SCALANCE XB-200 managed



> 6GK5205-3BB00-2AB2

SCALANCE XB205-3 managed layer 2 IE switch 5x 10/100 Mbps RJ45 ports 3x MM FO ST port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default PROFINET



> 6GK5205-3BF00-2AB2

SCALANCE XB205-3LD managed layer 2 IE switch 5x 10/100 Mbps RJ45 ports 3x SM FO SC port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default PROFINET



> 6GK5205-3BB00-2TB2

SCALANCE XB205-3 managed layer 2 IE switch 5x 10/100 Mbps RJ45 ports 3x MM FO ST port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default EtherNet/IP



> 6GK5205-3BF00-2TB2

SCALANCE XB205-3LD managed layer 2 IE switch 5x 10/100 Mbps RJ45 ports 3x SM FO SC port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default EtherNet/IP



> 6GK5205-3BD00-2AB2

SCALANCE XB205-3 managed layer 2 IE switch 5x 10/100 Mbps RJ45 ports 3x MM FO SC port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default PROFINET



> 6GK5208-0BA00-2AB2

SCALANCE XB208 managed Layer 2 IE switch 8x 10/100 Mbps RJ45 ports 1x console port, diagnostics LEDs redundant power supply IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default PROFINET



> 6GK5205-3BD00-2TB2

SCALANCE XB205-3 managed layer 2 IE switch 5x IEC 62443-4-2 certified; 10/100 Mbps RJ45 ports 3x MM FO SC port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default EtherNet/IP



> 6GK5208-0BA00-2TB2

SCALANCE XB208 managed layer 2 IE switch 8x 10/100 Mbps RJ45 ports 1x console port, diagnostics LEDs redundant power supply IEC 62443-4-2 certified; temperature range 0 to +60 °C mounting onto standard rail; default EtherNet/IP



> 6GK5213-3BB00-2AB2

SCALANCE XB213-3 managed layer 2 IE switch 13x 10/100 Mbps RJ45 ports, 3x MM FO ST port 1x console port, diagnostics LED, redundant power supply, IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default PROFINET



> 6GK5213-3BD00-2AB2

SCALANCE XB213-3 managed layer 2 IE switch 13x 10/100 Mbps RJ45 ports, 3x MM FO SC port 1x console port, diagnostics LED, redundant power supply, IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default PROFINET



> 6GK5213-3BB00-2TB2

SCALANCE XB213-3 managed layer 2 IE switch 13x 10/100 Mbps RJ45 ports, 3x MM FO ST port 1x console port, diagnostics LED, redundant power supply, IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default EtherNet/IP



> 6GK5213-3BD00-2TB2

SCALANCE XB213-3 managed layer 2 IE switch 13x 10/100 Mbps RJ45 ports, 3x MM FO SC port 1x console port, diagnostics LED, redundant power supply, IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default EtherNet/IP



> 6GK5216-0BA00-2AB2

SCALANCE XB216 managed Layer 2 IE switch, 16x 10/100 Mbps RJ45 ports, 1x console port, diagnostics LEDs redundant power supply IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail, PROFINET IO device Ethernet/IP certificate, default PROFINET



> 6GK5213-3BF00-2AB2

SCALANCE XB213-3LD managed layer 2 IE switch 13x 10/100 Mbps RJ45 ports, 3x SM FO SC port 1x console port, diagnostics LED, redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default PROFINET



> 6GK5216-0BA00-2TB2

SCALANCE XB216 managed layer 2 IE switch, 16x 10/100 Mbps RJ45 ports, 1x console port, diagnostics LED red redundant power supply; IEC 62443-4-2 certified; temperature range 0 to +60 °C mounting onto standard rail; default EtherNet/IP



> 6GK5213-3BF00-2TB2

SCALANCE XB213-3LD managed layer 2 IE switch 13x 10/100 Mbps RJ45 ports, 3x SM FO SC port 1x console port, diagnostics LED, redundant power supply, IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; mounting onto standard rail; default EtherNet/IP

SCALANCE XC-200 managed



> 6GK5206-2BB00-2AC2

SCALANCE XC206-2 managed Layer 2 IE switch; IEC 62443-4-2 certified; 6x 100 Mbps RJ45 ports; 2x 100 Mbps ST/BFOC ports; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant C-plug slot;



> 6GK5206-2GS00-2TC2

SCALANCE XC206-2SFP G (E/IP) managed Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 ports; 2x 1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot; Default EtherNet/IP



> 6GK5206-2BD00-2AC2

SCALANCE XC206-2 managed Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100 Mbps RJ45 ports; 2x 100 Mbps SC ports; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-plug slot



> 6GK5206-2RS00-2AC2

SCALANCE XC206-2G PoE Manageable Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at ; 2 ports of which according to IEEE802.3bt; 2x 1,000, 10,000 Mbps SFP+; PoE support for 24 V DC Infeed; 120 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED; Redundant power supply; temp. range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG shaft;



> 6GK5206-2BS00-2AC2

SCALANCE XC206-2SFP managed Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100 Mbps RJ45 ports; 2x 100/1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall Office redundancy functions features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;



> 6GK5206-2RS00-5AC2

SCALANCE XC206-2G PoE Manageable Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at; 2 ports of which according to IEEE802.3bt; 2x 1,000, 10,000 Mbps SFP+; PoE support for 54 V DC Infeed; 240 W PoE Power can be distributed among all ports; 1x console port; diagnostics LED; Redundant power supply; temp. range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG shaft;



> 6GK5206-2GS00-2AC2

SCALANCE XC206-2SFP G managed Layer 2 IE switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 ports; 2x 1000 Mbps SFP; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;



> 6GK5208-0RA00-2AC2

SCALANCE XC208G PoE Manageable Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at ; 2 ports of which according to IEEE802.3bt; 2x 10/100/1000 Mbps RJ45; PoE support for 24 V DC Infeed; 120 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED; Redundant power supply; temp. range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG shaft;



> 6GK5208-0BA00-2AC2

SCALANCE XC208 managed Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100 Mbps RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall Office redundancy functions features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-plug slot;



> 6GK5208-0GA00-2AC2

SCALANCE XC208G managed Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100/1000 Mbps; RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;



> 6GK5208-0RA00-5AC2

SCALANCE XC208G PoE Manageable Layer 2 IE PoE Switch; IEC 62443-4-2 certified; 6x 10/100/1000 Mbps RJ45 PoE ports acc. to IEEE802.3at ; 2 ports of which according to IEEE802.3bt; 2x 10/100/1000 Mbps RJ45; PoE support for 54 V DC infeed; 240 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED; Redundant power supply; temp. range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; Redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Ethernet/IP-compliant; C-PLUG shaft;



> 6GK5208-0GA00-2TC2

SCALANCE XC208G (E/IP) managed Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100/1000 Mbps RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-plug slot; Default EtherNet/IP



> 6GK5216-0BA00-2AC2

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

**> 6GK5216-3RS00-2AC2**

SCALANCE XC216-3G PoE Manageable Layer 2 IE PoE Switch; 14x 10/100/1000 Mbps; RJ45 PoE ports according to IEEE802.3at; 2 ports thereof according to IEEE802.3bt; IEC 62443-4-2 certified 2x 10/100/1,000 Mbps RJ45; 2x 1,000, 10,000 Mbps SFP+; 1x 1,000 Mbps SFP; PoE support for 24 V DC infeed; 120 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Etherne(*)

**> 6GK5216-4GS00-2AC2**

SCALANCE XC216-4C G managed Layer 2 IE switch; IEC 62443-4-2 certified; Full Gigabit; 12x 10/100/1000 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps/ SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

**> 6GK5216-3RS00-5AC2**

SCALANCE XC216-3G PoE Manageable Layer 2 IE PoE Switch; 14x 10/100/1000 Mbps RJ45 PoE ports according to IEEE802.3at; 2 ports thereof according to IEEE802.3bt; IEC 62443-4-2 certified; 2x 10/100/1,000 Mbps RJ45; 2x 1,000, 10,000 Mbps SFP+; 1x 1,000 Mbps SFP; PoE support for 54 V DC infeed; 300 W PoE power can be distributed among all PoE ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +60 °C; mounting on DIN rail/S7 mounting rail /wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET device; Etherne(*)

**> 6GK5216-4GS00-2TC2**

SCALANCE XC216-4C G (E/IP) managed Layer 2 IE switch; IEC 62443-4-2 certified; Full Gigabit; 12x 10/100/1000 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps/ SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot; Default EtherNet/IP

**> 6GK5216-4BS00-2AC2**

SCALANCE XC216-4C managed Layer 2 IE switch; IEC 62443-4-2 certified; 12x 10/100 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps/ SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

**> 6GK5224-0BA00-2AC2**

SCALANCE XC224 managed Layer 2 IE switch; IEC 62443-4-2 certified; 24x 10/100 Mbps RJ45 ports 1x console port, diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall Office redundancy functions features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant, C-plug slot;

**> 6GK5224-4GS00-2AC2**

SCALANCE XC224-4C G managed Layer 2 IE switch; IEC 62443-4-2 certified; Full Gigabit; 20x 10/100/1000 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps/ SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot;

**> 6GK5224-4GS00-2TC2**

SCALANCE XC224-4C G (E/IP) managed Layer 2 IE switch; IEC 62443-4-2 certified; Full Gigabit; 20x 10/100/1000 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps/ SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; diagnostics LED; redundant power supply; temp. range -40 °C to +70 °C; mounting: DIN rail/S7 mounting rail/wall; redundancy functions; Office features (RSTP, VLAN,...); PROFINET IO device; Ethernet/IP-compliant; C-plug slot; Default EtherNet/IP

SCALANCE XF204-2BA managed

**> 6GK5204-0BA00-2GF2**

SCALANCE XF204 managed two BusAdapters BA 2xRJ45 HA IEC 62443-4-2 certified; preassembled 6DL1193-6AR00-0AA0, IE switch, 4 x 10/100 Mbps, 2 x BusAdapter interface, error signaling contact, set button, redundant 24 V DC power supply, PROFINET device, extended temperature range -40 °C...+70 °C, conformal coating, with electr. manual on DVD, C-plug optional, delivery with BusAdapter

**> 6GK5204-2AA00-2GF2**

SCALANCE XF204-2BA managed IE switch, 4 x 10/100 Mbps, IEC 62443-4-2 certified; 2 x BusAdapter interface, error signaling contact, set button, redundant 24 V DC power supply, PROFINET device, extended temperature range -40 °C...+70 °C, conformal coating, with electr. manual on DVD, C-plug optional, supplied without BusAdapter

SCALANCE XP-200 managed



> 6GK5208-0HA00-2AS6

SCALANCE XP208, managed IE switch, 8x 10/100 Mbps M12 ports, IP65, LED diagnostics, error signaling contact, redundant power supply, IEC 62443-4-2 certified PROFINET IO device, network management, can be operated in redundant ring, dust caps, including electronic manual on CD-ROM, C-plug optional



> 6GK5208-0HA00-2ES6

SCALANCE XP208EEC, managed IE switch with railway approval IEC 62443-4-2 certified; (EN 50155, EN 45545); 8x 10/100 Mbps M12 ports, IP65, LED diagnostics, error signaling contact, redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, dust caps, incl. electronic manual on CD-ROM, C-plug optional



> 6GK5208-0HA00-2TS6

SCALANCE XP208 (EIP), managed IE switch, 8x 10/100 Mbps M12 ports, IP65, LED diagnostics, error signaling contact, redundant power supply, IEC 62443-4-2 certified; Ethernet/IP, network management, including dust caps, including electronic manual on CD-ROM, C-plug optional



> 6GK5208-0UA00-5ES6

SCALANCE XP208PoE EEC, managed IE switch, 8x 10/100 Mbps IEC 62443-4-2 certified; M12 ports, IP65, LED diagnostics, error signaling contact, redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, dust caps, incl. electronic manual on CD-ROM, C-plug optional



> 6GK5216-0HA00-2AS6

SCALANCE XP216, managed IE switch, 12x 10/100 Mbps IEC 62443-4-2 certified; M12 ports, 4x 10/100/1000 Mbps M12 ports IP65, LED diagnostics, error signaling contact, redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, incl. dust caps, incl. electronic manual on CD-ROM, C-plug optional



> 6GK5216-0HA00-2ES6

SCALANCE XP216EEC, managed IE switch, with railway approval IEC 62443-4-2 certified; (EN 50155, EN45545); 12x 10/100 Mbps M12 ports, 4x 10/100/1000 Mbps M12 ports IP65, LED diagnostics, error signaling contact, redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, incl. dust caps, incl. electronic manual on CD-ROM, C-plug optional



> 6GK5216-0HA00-2TS6

SCALANCE XP216 (EIP), managed IE switch, 12x 10/100 Mbps IEC 62443-4-2 certified; M12 ports, 4x 10/100/1000 Mbps M12 ports IP65, LED diagnostics, error signaling contact, redundant power supply, Ethernet/IP, network management, incl. dust caps, incl. electronic manual on CD-ROM, C-plug optional



> 6GK5216-0UA00-5ES6

SCALANCE XP216PoE EEC, managed IE switch, with railway approval IEC 62443-4-2 certified; (EN 50155, EN45545); 12x 10/100 Mbps M12 ports, 4x 10/100/1000 Mbps M12 ports IP65, LED diagnostics, error signaling contact, redundant power supply, PROFINET IO device, network management, can be operated in redundant ring, incl. dust caps, incl. electronic manual on CD-ROM, C-plug optional

SCALANCE X-200IRT managed

SCALANCE X-200IRT	Hardware																	
	Type of device	DC 24 V	Redundant DC power supply	ST/BFOC	LC	SC RJ	RJ45	Retaining collar	Metal enclosure	Fanless operation	Flat design	Box/compact design	Protected (IP65)	Conformal Coating	Temperature range -40 °C – +70 °C	Signaling contact	SELECT / SET button	Slot for exchangeable medium
X200-4P IRT	•	•			•			•	•		•				•	•	•	
X201-3P IRT/ X202-2P IRT	•	•			•	•	•	•	•		•				•	•	•	
X201-3P IRT PRO/ X202-2P IRT PRO	•	•			•	•	•	•	•			•		•	•	•	•	
X202-2IRT	•	•	•			•	•	•	•		•				•	•	•	
X204IRT	•	•				•	•	•	•		•				•	•	•	
X204IRT PRO	•	•				•	•	•	•			•		•	•	•	•	
XF204IRT	•	•				•	•		•	•					•	•	•	
XF204-2BA IRT	•	•		• ¹⁾	• ¹⁾	• ¹⁾			•	•				•	•	•	•	•

• applies 1) with appropriate BusAdapter

SCALANCE XM-400 managed



> 6GK5408-4GP00-2AM2

SCALANCE XM408-4C; managed modular IE switch; 8x 10/100/1000 Mbit / s RJ45; 4x 100/1000 Mbit / s ST / SC pluggable as combo ports; a total of 8 ports can be used; expandable to 24 ports electrically or optically; Mounting: top hat / S7 profile rail, PROFINET IO device; Redundancy functions; Office Features (RSTP, VLAN, IGMP, ..); C-PLUG included in the scope of delivery; Layer 3 available with key plug



> 6GK5408-8GS00-2AM2

SCALANCE XM408-8C; managed modular IE switch; 8x 10/100/1000 Mbit / s RJ45; 8x 100/1000 Mbit / s SFP; contains 8 combo ports; a total of 8 ports can be used; expandable to 24 ports electrically or optically; Mounting: top hat / S7 profile rail, PROFINET IO device; Redundancy functions; Office Features (RSTP, VLAN, IGMP, ..); C-PLUG included in the scope of delivery; Layer 3 available with key plug



> 6GK5408-4GQ00-2AM2

SCALANCE XM408-4C; managed modular IE switch; 8x 10/100/1000 Mbit / s RJ45; 4x 100/1000 Mbit / s ST / SC pluggable as combo ports; a total of 8 ports can be used; expandable to 24 ports electrically or optically; Mounting: top hat / S7 profile rail, PROFINET IO device; Redundancy functions; Office Features (RSTP, VLAN, IGMP, ..); C-PLUG included in the scope of delivery; Layer 3 integrated



> 6GK5416-4GR00-2AM2

SCALANCE XM416-4C; managed modular IE switch; 16x 10/100/1000 Mbit / s RJ45; 4x 100/1000 Mbit / s SFP; contains 4 combo ports; a total of 16 ports can be used; expandable to 24 ports electrically or optically; Mounting: top hat / S7 profile rail, PROFINET IO device; Redundancy functions; Office Features (RSTP, VLAN, IGMP, ..); C-PLUG included in the scope of delivery; Layer 3 integrated;



> 6GK5408-8GR00-2AM2

SCALANCE XM408-8C; managed modular IE switch; 8x 10/100/1000 Mbit / s RJ45; 8x 100/1000 Mbit / s SFP; contains 8 combo ports; a total of 8 ports can be used; expandable to 24 ports electrically or optically; Mounting: top hat / S7 profile rail, PROFINET IO device; Redundancy functions; Office Features (RSTP, VLAN, IGMP, ..); C-PLUG included in the scope of delivery; Layer 3 integrated



> 6GK5416-4GS00-2AM2

SCALANCE XM416-4C; managed modular IE switch; 16x 10/100/1000 Mbit / s RJ45; 4x 100/1000 Mbit / s SFP; contains 4 combo ports; a total of 16 ports can be used; expandable to 24 ports electrically or optically; Mounting: top hat / S7 profile rail, PROFINET IO device; Redundancy functions; Office Features (RSTP, VLAN, IGMP, ..); C-PLUG included in the scope of delivery; Layer 3 available with key plug

SCALANCE XR-500 managed

		Hardware																											
		DC 24 V	AC 24 V (50/60 Hz)	Redundante DC-Stromversorgung	DC 54 V	AC 100-240 V (50/60 Hz)	Redundante AC-Stromversorgung	ST/BFOC	SC	LC	SC RJ	M12	RJ45	Haltekragen	Metallgehäuse	Lufterlos	19"-Bauform	Modulare Bauform	Protected (IP65)	Conformal Coating	Temperaturbereich -40 °C – +70 °C	Aufstellhöhe bis 4000 m	Gigabit Ethernet	10 Gigabit	Meldekontakt	SELECT/SET Button	Steckplatz für Wechselmedium	Über Medienmodule/BusAdapter konfigurierbar	Slots für SFP-Stecktransceiver
Gerätetyp																													
XR528-6M/ XR552-12M		•		•		•	•	• ³⁾	• ³⁾	• ³⁾				• ³⁾	• ³⁾		•						•	• ¹⁾	•	•	•	•	•
XR524-8C		•		•		•	•			• ⁴⁾				•	•	•	•						•	•	•	•	•	•	•
XR526-8C		•		•		•	•			• ⁴⁾				•	•	•	•						•	• ²⁾	•	•	•	•	•

• trifft zu 1) max. 4x 10 Gbit/s Ports 2) max. 2x 10 Gbit/s Ports 3) verfügbar über Medienmodule 4) über SFP-Transceivers

G_IK10_XX_10308

Function overview SCALANCE X-500 managed