



Unmanaged Industrial Ethernet Switches

SCALANCE X
Ordering overview – Edition 11/2021
[siemens.de/switches](https://www.siemens.de/switches)

Industrial Ethernet Switches for networks with a future

Switches are active network components that support the structuring of an industrial communication network into electrical or optical line, star and ring structures. They specifically distribute data to the defined addressees thus structuring the data traffic. Data throughput and network performance are increased considerably. The graded SCALANCE X portfolio from Siemens has the right Switch for every demand placed on an industrial communications network.

Network components (SCALANCE X)		CSM (Compact Switch Module)
Backbone Layer	X-500 managed	
	XR-500	
Aggregation Layer	X-400 managed	
	XM-400 PE-400	
Cell Layer	X-300 managed	LOGO! CSM 1277 377
	X-300 XR-300WG/ XR-300PoE WG XR-300/XR-300EEC	
	X-200 managed	
	XB-200 XC-200 / G / POE XP-200/ XP-200PoE EEC XF-200BA XF-200	
	X-200IRT managed	
	X-200RNA X-200IRT X-200IRT PRO XF-200IRT X-200P IRT	
	X-100 unmanaged	
	XB-100 XC-100 XR-100WG / XR-100PoE WG X-100 Media converter	
	X-000 unmanaged	
	X-000 XB-000	

The TIA Selection Tool can be found under:

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

More information on the SIMATIC NET cabling range can be found under:

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

The ordering overview “Managed Industrial Ethernet Switches” can be found under:

[siemens.com/managed-switches](https://www.siemens.com/managed-switches)

Managed Industrial Ethernet Switches

Für jede Anforderung der passende Switch
Bestellübersicht - Ausgabe 10/2021
[siemens.de/switches](https://www.siemens.de/switches)

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.


In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens’ products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit <https://www.siemens.com/industrialsecurity>

Siemens’ products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer’s exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/industrialsecurity>

Ordering overview for “Unmanaged Industrial Ethernet Switches”

	Product	Comments		Electrical ports	Optical ports	Article no. ¹⁾
Unmanaged						
	SCALANCE X-100 media converters – Convert according to your requirements					
	X101-1	Multimode, max. 5 km	with retaining collar	1	1 × ST/BFOC	6GK5101-1BB00-2AA3
	X101-1LD	Long distance, singlemode, max. 26 km		1	1 × ST/BFOC	6GK5101-1BC00-2AA3
	Compact Switch Modules – More connections to SIMATIC					
	LOGO! CSM 12/24	for LOGO!		4		6GK7177-1MA20-0AA0
	CSM 1277	for SIMATIC S7-1200		4		6GK7277-1AA10-0AA0
	CSM 377	for SIMATIC S7-300/ET 200M		4		6GK7377-1AA00-0AA0
	SCALANCE X-000 – Simple, space-saving, suitable for industry					
	X005	Extended temperature range		5		6GK5005-0BA10-1AA3
	X005EEC	Extended temperature range; EN 50155		5		6GK5005-0BA10-1CA3
	XB005		24 V AC/DC	5		6GK5005-0BA00-1AB2
	XB008			8		6GK5008-0BA10-1AB2
	XB004-1	Multimode, max. 5 km		4	1 × SC	6GK5004-1BD00-1AB2
	XB004-1LD	Long distance, singlemode, max. 26 km		4	1 × SC	6GK5004-1BF00-1AB2
	XB004-2	Multimode, max. 5 km		4	2 × SC	6GK5004-2BD00-1AB2
	XB005G		Gigabit-capable	5		6GK5005-0GA10-1AB2
	XB008G			8		6GK5008-0GA10-1AB2
	XB004-1G	Multimode, max. 750 m		4	1 × SC	6GK5004-1GL10-1AB2
	XB004-1LDG	Long distance, singlemode, max. 10 km		4	1 × SC	6GK5004-1GM10-1AB2
		SCALANCE XB-100 – Suitable for industry-oriented applications and building automation				
	XB108-2	Multimode, max. 5 km	24 V AC/DC	8	2 × ST/BFOC	6GK5108-2BB00-2AB2
	XB108-2			8	2 × SC	6GK5108-2BD00-2AB2
	XB112			12		6GK5112-0BA00-2AB2
	XB116			16		6GK5116-0BA00-2AB2
	XB124			24		6GK5124-0BA00-2AB2
	SCALANCE XC-100 – Basic version with full industrial compatibility					
	XC106-2	Multimode, max. 5 km	extended temperature range, with retaining collar	6	2 × ST/BFOC	6GK5106-2BB00-2AC2
				6	2 × SC	6GK5106-2BD00-2AC2
	XC108			8		6GK5108-0BA00-2AC2
	XC116			16		6GK5116-0BA00-2AC2
	XC124		24		6GK5124-0BA00-2AC2	
	X108PoE	Power-over-Ethernet (for 2 ports)	with retaining collar	8		6GK5108-0PA00-2AA3
	SCALANCE XR-100WG – Unmanaged 19" Rack-Switch with low installation depth					
	XR108-2PoE WG		100 – 240 V AC	8	2 × LC	6GK5108-2QS00-3AR3
	XR124WG		24 V DC	24		6GK5124-0BA00-2AR3
			100 – 240 V AC	24		6GK5124-0BA00-3AR3

SFP modules for SCALANCE XR108-2PoE WG

	Product	Type and number of ports				Max. distance		Article no. ¹⁾	
		10 Gigabit Ethernet		Gigabit Ethernet					
		10 Gbps		1000 Mbps					
		Optical				Max. distance	Article no. ¹⁾		
	Module type	Multimode	Singlemode	Multimode	Singlemode				
	SFP992-1 ^{2) 6)}			1 × LC		750 m	6GK5992-1AL00-8AA0		
	SFP992-1+ ²⁾			1 × LC		2 km	6GK5992-1AG00-8AA0		
	SFP992-1LD ^{3) 2) 6)}				1 × LC	10 km	6GK5992-1AM00-8AA0		
	SFP992-1BXMT ⁵⁾			1 × LC		500 m	6GK5992-1AL00-8TA0		
	SFP992-1BXM ⁵⁾			1 × LC		500 m	6GK5992-1AL00-8RA0		
	SFP992-1BX10R				1 × LC	10 km	6GK5992-1AM00-8RA0		
	SFP992-1BX10T				1 × LC	10 km	6GK5992-1AM00-8TA0		
	SFP992-1LH ²⁾				1 × LC	40 km	6GK5992-1AN00-8AA0		
	SFP992-1LH+ ²⁾				1 × LC	70 km	6GK5992-1AP00-8AA0		
	SFP992-1ELH ²⁾				1 × LC	120 km	6GK5992-1AQ00-8AA0		
	SFP+-Module ⁴⁾								
	SFP993-1	1 × LC					300 m	6GK5993-1AT00-8AA0	
	SFP993-1LD		1 × LC				10 km	6GK5993-1AU00-8AA0	
	SFP993-1LH		1 × LC				40 km	6GK5993-1AV00-8AA0	
	IE Cable SFP+/SFP+	2 × pre-assembled with 2 × SFP+ plug					1 m	6GK5980-3CB00-0AA1	
							2 m	6GK5980-3CB00-0AA2	
							7 m	6GK5980-3CB00-0AA7	

¹⁾ Current ordering data can be found on the Internet at: www.siemens.com/industrymall
Conditions of sale and delivery can be found at:
https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf

²⁾ Can only be inserted in SFP/SFP+ slot
³⁾ Versions with coated PCBs (conformal coating) available
⁴⁾ Can only be inserted in SFP+ slot
⁵⁾ Bidirectional
⁶⁾ Delivery unit with 20 pieces available

