SIEMENS

**Industrial Wireless LAN
SCALANCE W**

Product overview – Edition 01/2022
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Ordering overview for Industrial Wireless LAN Access Points and Client Modules

Mounting	Product	Radio interfaces	Industrial Ethernet	Antennas	Notes	Operation	Article no.[1]
		Connections					
Access Points							
IWLAN – Access Points IEEE 802.11ax (Wi-Fi 6) SCALANCE WAM700 for high-performance solutions							
For use in control cabinet	SCALANCE WAM763-1	1	4 × RJ45	2 × R-SMA	IP30, with DI/DO	outside the USA	6GK5763-1AL00-7DA0
For the indoor area	SCALANCE WAM766-1	1	1 × M12	2 × N-Connect	IP65, with DI/DO	outside the USA	6GK5766-1GE00-7DA0
For enhanced environmental conditions	SCALANCE WAM766-1 EEC					outside the USA	6GK5766-1GE00-7TA0
IWLAN – Access Points IEEE 802.11ac (Wi-Fi 5) SCALANCE W1788[2] for high-performance solutions							
For the indoor area	SCALANCE W1788-1 M12	1	2 × M12	4 × N-Connect	IP65	outside the USA	6GK5788-1GY01-0AA0
	SCALANCE W1788-2 M12	2		8 × N-Connect		outside the USA	6GK5788-2GY01-0AA0
	SCALANCE W1788-2IA M12	2		8 × intern		outside the USA	6GK5788-2HY01-0AA0
For enhanced environmental conditions	SCALANCE W1788-2 M12 EEC	2		8 × N-Connect		outside the USA	6GK5788-2GY01-0TA0
IWLAN – Access Points IEEE 802.11n (Wi-Fi 4) SCALANCE W780[2] for high-performance solutions							
For use in control cabinet	SCALANCE W788-1 RJ45	1	1 × RJ45	3 × R-SMA	IP30, with DI/DO	outside the USA	6GK5788-1FC00-0AA0
						within the USA	6GK5788-1FC00-0AB0
	SCALANCE W788-2 RJ45	2		6 × R-SMA		outside the USA	6GK5788-2FC00-0AA0
						within the USA	6GK5788-2FC00-0AB0
						Israel	6GK5788-2FC00-0AC0
For the indoor area	SCALANCE W788-1 M12	1	1 × M12	3 × N-Connect	IP65	outside the USA	6GK5788-1GD00-0AA0
						within the USA	6GK5788-1GD00-0AB0
	SCALANCE W788-2 M12	2		6 × N-Connect		outside the USA	6GK5788-2GD00-0AA0
						within the USA	6GK5788-2GD00-0AB0
For enhanced environmental conditions	SCALANCE W788-2 M12 EEC	2		6 × N-Connect		outside the USA	6GK5788-2GD00-0TA0
						within the USA	6GK5788-2GD00-0TB0
For the outdoor area	SCALANCE W786-1 RJ45	1	1 × RJ45	3 × R-SMA	IP65	outside the USA	6GK5786-1FC00-0AA0
						within the USA	6GK5786-1FC00-0AB0
	SCALANCE W786-2 RJ45	2		6 × R-SMA		outside the USA	6GK5786-2FC00-0AA0
						within the USA	6GK5786-2FC00-0AB0
						Israel	6GK5786-2FC00-0AC0
	SCALANCE W786-2IA RJ45	2		6 × intern		outside the USA	6GK5786-2HC00-0AA0
						within the USA	6GK5786-2HC00-0AB0
	SCALANCE W786-2 SFP	2	2 × SFP	6 × R-SMA		outside the USA	6GK5786-2FE00-0AA0
						within the USA	6GK5786-2FE00-0AB0
IWLAN – Access Points IEEE 802.11n (Wi-Fi 4) SCALANCE W770[2] for demanding solutions							
For the indoor area	SCALANCE W778-1 M12	1	2 × M12	2 × N-Connect	IP65	outside the USA	6GK5778-1GY00-0AA0
						within the USA	6GK5778-1GY00-0AB0
For enhanced environmental conditions	SCALANCE W778-1 M12 EEC	1		2 × N-Connect		outside the USA	6GK5778-1GY00-0TA0
						within the USA	6GK5778-1GY00-0TB0
For use in control cabinet	SCALANCE W774-1 RJ45	1	2 × RJ45	2 × R-SMA	IP30	outside the USA	6GK5774-1FX00-0AA0
						within the USA	6GK5774-1FX00-0AB0
						Israel	6GK5774-1FX00-0AC0
For enhanced environmental conditions	SCALANCE W774-1 M12 EEC	1	2 × M12	2 × R-SMA		outside the USA	6GK5774-1FY00-0TA0
						within the USA	6GK5774-1FY00-0TB0
IWLAN – Access Points IEEE 802.11n (Wi-Fi 4) SCALANCE W760[2] for simple, compact solutions							
For use in control cabinet	SCALANCE W761-1 RJ45	1	1 × RJ45	1 × R-SMA	IP20	outside the USA	6GK5761-1FC00-0AA0
						within the USA	6GK5761-1FC00-0AB0
Client Modules							
IWLAN - Client Module IEEE 802.11ax (Wi-Fi 6) SCALANCE WUM700 for high-performance solutions							
For use in control cabinet	SCALANCE WUM763-1	1	4 × RJ45	2 × R-SMA	IP30, with DI/DO	outside the USA	6GK5763-1AL00-3DA0
					IP30		6GK5763-1AL00-3AA0
For the indoor area	SCALANCE WUM766-1	1	1 × M12	2 × N-Connect	IP65	outside the USA	6GK5766-1GE00-3DA0
IWLAN – Client Module IEEE 802.11ac (Wi-Fi 5) SCALANCE W1740[2] for high-performance solutions							
For the indoor area	SCALANCE W1748-1 M12	1	2 × M12	4 × N-Connect	IP65	outside the USA	6GK5748-1GY01-0AA0
IWLAN – Client Modules IEEE 802.11n (Wi-Fi 4) SCALANCE W740[2] for high-performance solutions							
For use in control cabinet	SCALANCE W748-1 RJ45	1	1 × RJ45	3 × R-SMA	IP30, with DI/DO	outside the USA	6GK5748-1FC00-0AA0
						within the USA	6GK5748-1FC00-0AB0
For the indoor area	SCALANCE W748-1 M12	1	1 × M12	3 × N-Connect	IP65	outside the USA	6GK5748-1GD00-0AA0
						within the USA	6GK5748-1GD00-0AB0
IWLAN – Client Modules IEEE 802.11n (Wi-Fi 4) SCALANCE W730[2] for demanding solutions							
For the indoor area	SCALANCE W738-1 M12	1	2 × M12	2 × N-Connect	IP65	outside the USA	6GK5738-1GY00-0AA0
						within the USA	6GK5738-1GY00-0AB0
For use in control cabinet	SCALANCE W734-1 RJ45	1	2 × RJ45	2 × R-SMA	IP30	outside the USA	6GK5734-1FX00-0AA0
						within the USA	6GK5734-1FX00-0AB0
IWLAN – Client Modules IEEE 802.11n (Wi-Fi 4) SCALANCE W720[2] for simple, compact solutions							
For use in control cabinet	SCALANCE W722-1 RJ45	1	1 × RJ45	1 × R-SMA	IP20, iFeatures	outside the USA	6GK5722-1FC00-0AA0
						within the USA	6GK5722-1FC00-0AB0
						Israel	6GK5722-1FC00-0AC0
	SCALANCE W721-1 RJ45	1		1 × R-SMA	IP20	outside the USA	6GK5721-1FC00-0AA0
						within the USA	6GK5721-1FC00-0AB0
Accessories							
IWLAN – PLUGs							
	SCALANCE CLP 2GB	Removable data storage medium for the SCALANCE W1700/WxM76x product range for quick and easy exchange of defective devices					6GK1900-0UB00-0AA0
	SCALANCE CLP 2GB W700 AP iFeatures	Removable data storage medium for upgrading with additional industrial functions (iFeatures) in Access Point mode for the SCALANCE W1700/WxM76x product range					6GK5907-8UA00-0AA0
	SCALANCE CLP 2GB W700 Client iFeatures	Removable data storage medium for upgrading with additional industrial functions (iFeatures) in Client mode for the SCALANCE W1700/WxM76x product range					6GK5907-4UA00-0AA0
	C-PLUG	Removable data storage medium for the SCALANCE W700 product range for quick and easy exchange of defective devices					6GK1900-0AB10
	KEY-PLUG W780 iFeatures	Removable data storage medium for the SCALANCE W700 product range for upgrading with additional industrial functions (iFeatures) in Access Point mode					6GK5907-8PA00
	KEY-PLUG W740 iFeatures	Removable data storage medium for the SCALANCE W700 product range for upgrading with additional industrial functions (iFeatures) in Client mode					6GK5907-4PA00
	KEY-PLUG W700 Security	Removable data storage medium for the SCALANCE W700 product range for upgrading with additional industrial functions (Security) in Access Point mode					6GK5907-0PA00
IWLAN – Accessories							
	Standard Rail Mounting Set SCALANCE W1780	For mounting of SCALANCE W1780 products onto a S7-300 or S7-1500 standard rail					6GK5798-8MS00-0AA0
	Wall Mounting Set SCALANCE W1780	For ceiling or wall mounting of SCALANCE W1780 products					6GK5798-8MW00-0AA0
	Mounting Set SCALANCE W786	For fixing the SCALANCE W786 products onto a S7-300 mounting rail or a 35 mm standard DIN rail					6GK5798-8MG00-0AA0
	DIN Rail Mounting Adapter	For SCALANCE W788 M12 and SCALANCE W788 RJ45					6GK5798-8ML00-0AB3
		For SCALANCE W778, W778 EEC, W738, WAM766-1/WAM766-1 EEC/WUM766-1, and 90° DIN rail mounting for SCALANCE WAM/WUM763-1					6GK5798-8MF00-0AA1
	90° Angled Adapter for DIN Rail Mounting	For DIN rail mounting of SCALANCE W778, W778 EEC and W738 onto a 35 mm standard DIN rail in combination with a DIN rail mounting adapter					6GK5798-8MA00-0AA1
		For DIN rail mounting in combination with SCALANCE MUM856-1, WAM/WUM766-1, angle with DIN rail mounting adapter for 35 mm DIN rail					6GK5798-8MF00-0AB1
IWLAN – Power supplies							
For SCALANCE W786	Power Supply PS 791-2DC	12 … 24 V DC for direct installation					6GK5791-2DC00-0AA0
	Power Supply PS 791-2AC	90 … 240 V AC for direct installation					6GK5791-2AC00-0AA0

[1] Current ordering data as well as conditions of sales and delivery are available at:
https://mall.industry.siemens.com/legal/ww/en/terms_of_trade_en.pdf
[2] Capable of PROFINET or EtherNet/IP diagnostics alternatively

The TIA Selection Tool is available to assist in selecting the right products for Industrial Wireless LAN:
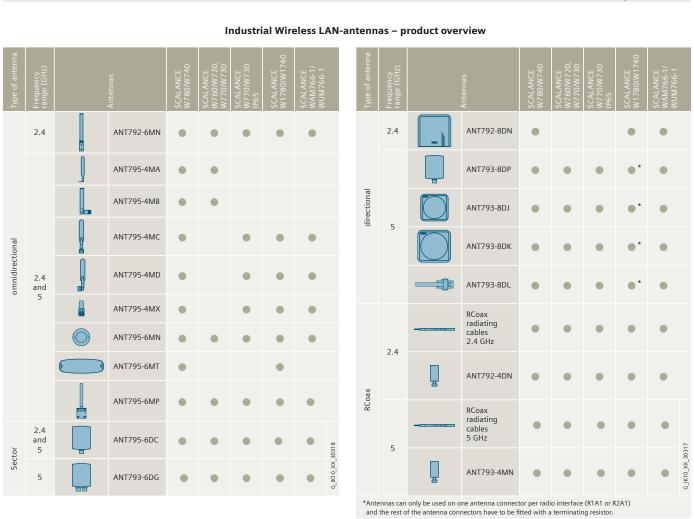www.siemens.com/tia-selection-tool

Wireless approvals
You will find current wireless approvals in the internet at:
www.siemens.com/wireless-approvals

Ordering overview for Industrial Wireless LAN antennas and cabling technology

	Mounting	Product	Connection	Frequency	Notes	Gain 2.4/5 GHz	Article no.[1]
Antennas							
IWLAN – Antennas with omnidirectional characteristic							
	Directly onto SCALANCE W	ANT795-4MA	1 × R-SMA Male, radial rotation possible	2.4/5 GHz	IP30	3/5 dBi	6GK5795-4MA00-0AA3
		ANT795-4MB	1 × R-SMA Male, radial rotation possible			2/3 dBi	6GK5795-4MB00-0AA0
		ANT795-4MC	1 × N-Connect Male, straight		IP65	3/5 dBi	6GK5795-4MC00-0AA3
		ANT795-4MD	1 × N-Connect Male, fixed 90° angle				6GK5795-4MD00-0AA3
		ANT795-4MX	1 × N-Connect Male, straight		IP68/69K	2/2 dBi	6GK5795-4MX00-0AA0
	Wall or mast mounting	ANT792-6MN	1 × N-Connect Female	2.4 GHz	IP67	6 dBi	6GK5792-6MN00-0AA6
		ANT795-6MP		2.4/5 GHz	IP65/67	5/7 dBi	6GK5795-6MP00-0AA0
	Roof or mast mounting	ANT795-6MN	1 × N-Connect Female	2.4/5 GHz	IP65	6/8 dBi	6GK5795-6MN10-0AA4
		Mounting Kit for ANT795-6MN	Including plastic ring or N/N angled adapter				6GK5795-6MN01-0AA0
		ANT795-6MT	3 × QMA Female	2.4/5 GHz	IP65	5/7 dBi	6GK5795-6MT00-0AA0
IWLAN – Sector antennas							
	Wall or mast mounting	ANT795-6DC	1 × N-Connect Female	2.4/5 GHz	IP66/67	9/9 dBi	6GK5795-6DC00-0AA0
		ANT793-6DG	2 × N-Connect Female	5 GHz		9 dBi	6GK5793-6DG00-0AA0
IWLAN – Directional antennas							
	Wall or mast mounting	ANT792-8DN	1 × N-Connect Female	2.4 GHz	IP23	14 dBi	6GK5792-8DN00-0AA6
		ANT793-8DJ	2 × N-Connect Female	5 GHz	IP67	18 dBi	6GK5793-8DJ00-0AA0
		ANT793-8DK	2 × N-Connect Female		IP67	23 dBi	6GK5793-8DK00-0AA0
		ANT793-8DP	1 × N-Connect Female	4.9 … 5.35 GHz	IP66/67	13.5 dBi	6GK5793-8DP00-0AA0
		ANT793-8DL	2 × N-Connect Female	4.9 … 5.9 GHz	IP66	14 dBi	6GK5793-8DL00-0AA0
Antennas for use with IWLAN RCoax systems							
	Vertically upon RCoax Cable	ANT792-4DN	1 × N-Connect Female	2.4 GHz	IP65	4 dBi	6GK5792-4DN00-0AA6
		ANT793-4MN		5 GHz		6 dBi	6GK5793-4MN00-0AA6

	Product		Frequency	Notes	Length or number	Article no.[1]
IWLAN – RCoax-Systeme						
	RCoax Cable		2.4 GHz	IP65	1 m	6XV1875-2A
			5 GHz			6XV1875-2D
	RCoax N-Connect Stripping Tool				1 item	6GK1901-1PH00
	RCoax N-Connect Female Connector On-Site-Assembly				1 item	6GK5798-0CN00-0AA0
	RCoax Cable Clip 1/2"				10 items	6GK5798-8MB00-0AC1
	RCoax Cable Clip 1/2"				100 items	6GK5798-8MB00-0AM1
	RCoax Threaded Washer M6 for Cable Clip 1/2"				10 items	6GK5798-8MC00-0AC1
	RCoax Threaded Washer M6 for Cable Clip 1/2"				100 items	6GK5798-8MC00-0AM1
	RCoax Spacer 85 mm				10 items	6GK5798-8MD00-0AC1
	RCoax Spacer 85 mm				100 items	6GK5798-8MD00-0AM1
IWLAN – Cabling technology						
	Pre-assembled N-Connect/R-SMA Male/Male Flexible Connection Cable		0 … 6 GHz	IP68	0.3 m	6XV1875-5CE30
					1 m	6XV1875-5CH10
					2 m	6XV1875-5CH20
					5 m	6XV1875-5CH50
					10 m	6XV1875-5CN10
	Pre-assembled N-Connect/R-SMA Male/Male Flexible Connection Cable railway applications		0 … 6 GHz	IP67	1 m	6XV1875-5TH10
					2 m	6XV1875-5TH20
					5 m	6XV1875-5TH50
	Pre-assembled N-Connect Male/Male Flexible Connection Cable		0 … 6 GHz	IP68	1 m	6XV1875-5AH10
					2 m	6XV1875-5AH20
					5 m	6XV1875-5AH50
					10 m	6XV1875-5AN10
	Pre-assembled N-Connect Male/Male Flexible Connection Cable railway applications		0 … 6 GHz	IP67	1 m	6XV1875-5SH10
					2 m	6XV1875-5SH20
					5 m	6XV1875-5SH50
	Pre-assembled R-SMA/SMA Male/Male Flexible Connection Cable		0 … 6 GHz	IP68	0.3 m	6XV1875-5DE30
					2 m	6XV1875-5DH20
	Pre-assembled QMA/N-Connect Male/Female Flexible Connection Cable		0 … 6 GHz	IP68	3 × 1 m	6XV1875-5JH10
	Pre-assembled QMA/N-Connect Male/Female Flexible Connection Cable railway applications		0 … 6 GHz	IP67	1 m	6XV1875-5VH10
	N-Connect Male Termination Impedance TI795-1N		0 … 6 GHz	IP65	1 item	6GK5795-1TN00-1AA0
	R-SMA Male Termination Impedance TI795-1R		0 … 6 GHz	IP65	3 items	6GK5795-1TR10-0AA6
	Lightning Protector LP798-1N		0 … 6 GHz	IP68	1 item	6GK5798-2LP00-2AA6
	Lightning Protector LP798-2N		2 … 6 GHz	IP68	1 item	6GK5798-2LP10-2AA6
	N-Connect Female Power Splitter		2.4 … 6 GHz	IP66/68	1 item	6GK5798-0SN00-0EA0
	N-Connect Male/Male Coupler		0 … 6 GHz	IP68	1 item	6GK5798-0CP00-1AA0
	N-Connect Female/Female Attenuator 10 dB N-Connect Male/Female Attenuator 10 dB		0 … 6 GHz	IP67	1 item	6GK5798-0AP00-4CA0
	N-Connect Female/Female Cabinet Bushing		0 … 11 GHz	IP68	1 item	6GK5798-2PP00-2AA6
	N-Connect/SMA Female/Female Cabinet Bushing		0 … 6 GHz	IP67	1 item	6GK5798-0PT00-2AA0
	R-SMA Male/Female Angular Adapter		0 … 6 GHz	IP67	1 item	6GK5798-1CS00-4AA0

SCALANCE W Access Points and Client Modules – product overview

	Client Modules					Access Points also configurable as Client Modules					
WLAN Technology	11n / Wi-Fi 4			11ac / Wi-Fi 5	11ax / Wi-Fi 6	11n / Wi-Fi 4				11ac / Wi-Fi 5	11ax / Wi-Fi 6
Product Family						SCALANCE					
	W720	W730	W740	W1740	WUM	W760	W770	W780	W1780	WAM	
For enhanced environmental conditions (EEC)				•	•			•	•	•	
For outdoor use								•			
For production hall mounting		•	•	•	•		•	•	•	•	
For use in control cabinet		•	•	•			•	•	•		
Special industrial functions					iFeatures						
iPCF/iPCF-MC	•*	•	•				•	•	•		
iPRP		•	•	•			•	•	•	•	
Inter AP-Blocking		•	•	•			•	•	•	•	

* only W722

G_IK10_XX_30311

Industrial Wireless LAN-antennas – product overview

*Antennas can only be used on one antenna connector per radio interface (R1A1 or R2A1) and the rest of the antenna connectors have to be fitted with a terminating resistor.

G_IK10_XX_30317 / G_IK10_XX_30318

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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