

Mounting	Product	Connection	for IWLAN acc. to IEEE 802.	Frequency	Notes	Order No.*)	
<b>IWLAN – Antennas with omnidirectional characteristic</b>							
	directly onto SCALANCE W	Antenna ANT795-4MC	1x N-Connect male	11n	2,4 / 5 GHz	IP65	6GK5 795-4MC00-0AA3
		Antenna ANT795-4MD		6GK5 795-4MD00-0AA3			
		Antenna ANT795-4MR	1x R-SMA male	11a/b/g			6GK5 795-4MR00-0AA6
		Antenna ANT795-4MA	1x R-SMA male with additional joint	11n		IP30	6GK5 795-4MA00-0AA3
		Antenna ANT795-4MS		11a/b/g			6GK5 795-4MS00-0AA6
	Wall or mast mounting	Antenna ANT792-6MN	1x N-Connect female	11n + a/b/g	2,4 GHz	IP65	6GK5 792-6MN00-0AA6
		Antenna ANT793-6MN			5 GHz		6GK5 793-6MN00-0AA6
	Roof, wall or mast mounting	Antenna ANT795-6MN	1x N-Connect female	11n	2,4 / 5 GHz		6GK5 795-6MN10-0AA6
		Antenna ANT795-6MT	3x QMA female				6GK5 795-6MT00-0AA0

<b>IWLAN – Directional antennas</b>							
	Wall or mast mounting	Antenna ANT795-6DC	1x N-Connect female	11n	2,4 / 5 GHz	IP67	6GK5 795-6DC00-0AA0
		Antenna ANT793-6DG	2x N-Connect female		5 GHz		6GK5 793-6DG00-0AA0
		Antenna ANT793-6DT	3x QMA female			6GK5 793-6DT00-0AA0	
		Antenna ANT795-6DN	1x N-Connect female	11a/b/g	2,4 / 5 GHz	IP55	6GK5 795-6DN00-0AA6
		Antenna ANT792-8DN	1x N-Connect female	11n + a/b/g	2,4 GHz	IP23	6GK5 792-8DN00-0AA6
		Antenna ANT793-8DN	1x N-Connect female	11a/b/g	5 GHz	IP65	6GK5 793-8DN00-0AA6
		Antenna ANT793-8DJ	2x N-Connect female	11n		IP67	6GK5 793-8DJ00-0AA0
		Antenna ANT793-8DK	2x N-Connect female		IP67	6GK5 793-8DK00-0AA0	

<b>IWLAN – Antennas for RCoax systems</b>							
	vertically upon RCoax	Antenna ANT792-4DN	1x N-Connect female	11n + a/b/g	2,4 GHz	IP65	6GK5 792-4DN00-0AA6
		Antenna ANT793-4MN			5 GHz		6GK5 793-4MN00-0AA6

<b>IWLAN – RCoax Cable</b>							
	suitable for laying	IWLAN RCoax Cable		11n + a/b/g	2,4 GHz	IP65	6XV1 875-2A
					5 GHz		6XV1 875-2D

<b>IWLAN – Cabling technology</b>							
		IWLAN RCoax Antenna N-Connect/R-SMA male/male Flexible Connection Cable		0,3 m	N-Connect/R-SMA male/male		6XV1 875-5CE30
				1 m			6XV1 875-5CH10
				2 m			6XV1 875-5CH20
				5 m			6XV1 875-5CH50
				10 m			6XV1 875-5CN10
		IWLAN RCoax Antenna N-Connect male/male Flexible Connection Cable		1 m	N-Connect/N-Connect male/male		6XV1 875-5AH10
				2 m			6XV1 875-5AH20
				5 m			6XV1 875-5AH50
				10 m			6XV1 875-5AN10
		IWLAN RCoax Antenna QMA/N-Connect male/female Flexible Connection Cable		3 m	QMA/N-Connect male/female		6XV1 875-5JH10
		IWLAN RCoax Antenna R-SMA/SMA male/male Flexible Connection Cable		0,3 m	R-SMA/SMA male/male		6XV1 875-5DE30
				1 m			6XV1 875-5DH20
		IWLAN RCoax Antenna N-Connect male Termination Impedance TI795-1N		≤ 6 GHz	N-Connect male		6GK5 795-1TN00-1AA0
		IWLAN RCoax Antenna R-SMA male Termination Impedance TI975-1R		≤ 6 GHz	R-SMA male		6GK5 795-1TR10-0AA6
		Lightning Protector LP798-1N			0 ... 6 GHz	IP67	6GK5 798-2LP00-2AA6
		Lightning Protector LP798-2N		Quarterwave	2 ... 6 GHz	IP68	6GK5 798-2LP10-2AA6
		IWLAN RCoax Antenna N-Connect female Power Splitter		2,4 ... 6 GHz			6GK5 798-0SN00-0EA0
		IWLAN RCoax Antenna N-Connect male/male Coupler		≤ 6 GHz			6GK5 798-0CP00-1AA0
							6GK5 798-0AP00-4CA0
		IWLAN RCoax Antenna N-Connect male/female Attenuator		≤ 6 GHz		10 dB	6GK5 798-0PT00-2AA0
						6GK5 798-2PP00-2AA6	
		IWLAN RCoax Antenna N-Connect/SMA female/female Panel Feedthrough			wall thickness max. 5.5 mm		6GK5 798-0PT00-2AA0
							6GK5 798-2PP00-2AA6
		RCoax N-Connect Female N-Connector	1x N-Connect female				6GK5 798-0CN00-0AA0

The information provided in this brochure contains descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract. Availability and technical specifications are subject to change without prior notice. All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

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Industry Sector  
Sensors and Communication  
Postfach 48 48  
90026 URNBERG  
GERMANY  
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Ordering overview  
Edition October 2012

# SIMATIC NET Industrial Wireless LAN SCALANCE W




Answers for industry.

## Industrial Wireless LAN SCALANCE W Access Points and Client Modules – product overview

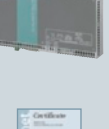

	Industrial Wireless LAN according to IEEE 802.11		Industrial Wireless LAN incl. iFeatures		
	Access Points	Client Modules	Access Points	Client Modules	
For outside environments	802.11a/g/n	W786 RJ45 / W786 SFP 	W786-2RR 		
For interior environments		W788 M12 	W748 M12 	W788-1RR / W788-2RR 	W747-1RR 
For cabinets		W788 RJ45 	W748 RJ45 	W784-1RR 	W747-1 
		802.11a/b/g	W784-1 		IWLAN / PB Link PN IO 
Mobile operating	802.11a/g/n	Field PG 		Mobile Panel 277F (IWLAN) 	
Wireless Devices				ET200pro IWLAN 	

			Connections					
Mounting	Product	Radio interfaces	Industrial Ethernet	Antennas	Notes	Operation	Order No. *)	




**IWLAN – Access Points IEEE 802.11n SCALANCE W780**

	For use in control cabinet	SCALANCE W788-1 RJ45	1	RJ45	3x R-SMA	IP30	outside the USA	6GK5 788-1FC00-0AA0
		SCALANCE W788-2 RJ45	2		6x R-SMA		within the USA	6GK5 788-1FC00-0AB0
	For the indoor area	SCALANCE W788-1 M12	1	M12	3x N-Connect	IP65	outside the USA	6GK5 788-1GD00-0AA0
		SCALANCE W788-2 M12	2		6x N-Connect		within the USA	6GK5 788-1GD00-0AB0
	For the outdoor area	SCALANCE W786-1 RJ45	1	RJ45	3x R-SMA	IP65	outside the USA	6GK5 786-1FC00-0AA0
		SCALANCE W786-2 RJ45	2		6x R-SMA		within the USA	6GK5 786-1FC00-0AB0
		SCALANCE W786-2IA RJ45	2	6x internal	outside the USA		6GK5 786-2FC00-0AA0	
		SCALANCE W786-2 SFP	2	SFP	6x R-SMA		within the USA	6GK5 786-2FC00-0AB0
							outside the USA	6GK5 786-2HC00-0AA0
							within the USA	6GK5 786-2HC00-0AB0
							outside the USA	6GK5 786-2HCC00-0AA0
							within the USA	6GK5 786-2HCC00-0AB0




**IWLAN – Controller IEEE 802.11n SCALANCE WLC**

		SCALANCE WLC711		RJ45		up to 16 controller-based Access Points, IP20	outside the USA, Canada and Japan	6GK5 711-0XC00-1AA0
							within the USA and Canada	6GK5 711-0XC00-1AB0
							within Japan	6GK5 711-0XC00-1AD0
		License Key WLC-700				up to 32 controller-based Access Points	in all countries	6GK5 907-1SB00


**IWLAN – Controller-based Access Points IEEE 802.11n SCALANCE W780C**

	For use in control cabinet	SCALANCE W788C-2 RJ45	2	RJ45	6x R-SMA	IP30		6GK5 788-2FC00-1AA0
	For the indoor area	SCALANCE W788C-2 M12	2	M12	6x N-Connect	IP65	depending on national approvals of IWLAN controller	6GK5 788-2GD00-1AA0
	For the outdoor area	SCALANCE W786C-2 RJ45	2	RJ45	6x R-SMA	IP65		6GK5 786-2FC00-1AA0
		SCALANCE W786C-2IA RJ45	2		6x internal	IP65		6GK5 786-2HC00-1AA0

**IWLAN – Access Points IEEE 802.11a/b/g SCALANCE W740**

	For use in control cabinet	SCALANCE W784-1	1	RJ45	2x R-SMA	IP30	outside the USA	6GK5 784-1AA30-2AA0	
		SCALANCE W784-1RR	1			IP30, with iFeatures	within the USA	6GK5 784-1AA30-2AB0	
	For the indoor area	SCALANCE W788-1PRO	1	RJ45	4x R-SMA	IP65	outside the USA	6GK5 788-1AA60-2AA0	
		SCALANCE W788-2PRO	2				within the USA	6GK5 788-1AA60-2AB0	
		SCALANCE W788-1RR	1	RJ45	2x R-SMA	IP65, mit iFeatures	outside the USA	6GK5 788-2AA60-2AA0	
		SCALANCE W788-2RR	2				4x R-SMA	within the USA	6GK5 788-2AA60-2AB0
	For the outdoor area	SCALANCE W786-1PRO	1	RJ45	2x internal		IP65	outside the USA	6GK5 786-1BA60-2AA0
					2x R-SMA			within the USA	6GK5 786-1BA60-2AB0
				BFOC	2x internal	outside the USA		6GK5 786-1AA60-2AA0	
					2x R-SMA	within the USA		6GK5 786-1AA60-2AB0	
		SCALANCE W786-2PRO	2	RJ45	4x internal	IP65		outside the USA	6GK5 786-2BA60-2AA0
					4x R-SMA			within the USA	6GK5 786-2BA60-2AB0
				BFOC	4x internal			outside the USA	6GK5 786-2AA60-2AA0
					4x R-SMA			within the USA	6GK5 786-2AA60-2AB0
SCALANCE W786-3PRO	3		RJ45	6x R-SMA	outside the USA		6GK5 786-3AA60-2AA0		
			BFOC	6x R-SMA	within the USA		6GK5 786-3AA60-2AB0		
	SCALANCE W786-2RR		2	RJ45	4x internal		IP65, with iFeatures	outside the USA	6GK5 786-2BA60-6AA0
					4x R-SMA			within the USA	6GK5 786-2BA60-6AB0
				outside the USA	6GK5 786-2AA60-6AA0				
				within the USA	6GK5 786-2AA60-6AB0				



**IWLAN – Controller Access Points IEEE 802.11a/b/g SCALANCE W780 HPW**

		SCALANCE W786-2HPW	2	RJ45	4x internal	IP65		6GK5 786-2BA60-1CA0
					4x R-SMA			6GK5 786-2AA60-1CA0
				BFOC	4x internal			6GK5 786-2BB60-1CA0
					4x R-SMA			6GK5 786-2AB60-1CA0

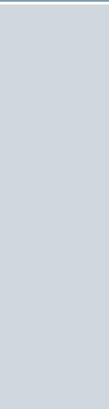
**IWLAN – Client Modules IEEE 802.11n SCALANCE W740**

	For use in control cabinet	SCALANCE W748-1 RJ45	1	RJ45	3x R-SMA	IP30, for eight devices	outside the USA	6GK5 748-1FC00-0AA0
							within the USA	6GK5 748-1FC00-0AB0
	For the indoor area	SCALANCE W748-1 M12	1	M12	3x N-Connect	IP65, for eight devices	outside the USA	6GK5 748-1GD00-0AA0
							within the USA	6GK5 748-1GD00-0AB0



**IWLAN – Client Modules IEEE 802.11a/b/g SCALANCE W740**

	For use in control cabinet	SCALANCE W744-1	1	RJ45	2x R-SMA	IP30, for one device	outside the USA	6GK5 744-1AA30-2AA0	
		SCALANCE W746-1	1				IP30, for eight devices	within the USA	6GK5 744-1AA30-2AB0
		SCALANCE W747-1	1				IP65, for eight devices, with iFeatures	outside the USA	6GK5 746-1AA30-4AA0
	For the indoor area	SCALANCE W744-1PRO	1	RJ45	2x R-SMA	IP65, for one device	outside the USA	6GK5 747-1AA30-6AA0	
		SCALANCE W746-1PRO	1				IP65, for eight devices	within the USA	6GK5 747-1AA30-6AB0
		SCALANCE W747-1RR	1				IP65, for eight devices, with iFeatures	outside the USA	6GK5 744-1AA60-2AA0
								within the USA	6GK5 744-1AA60-2AB0
								outside the USA	6GK5 746-1AA60-4AA0
								within the USA	6GK5 746-1AA60-4AB0
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			within the USA	6GK5 747-1AA60-6AB0					

**IWLAN – Accessories**


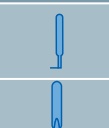
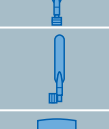

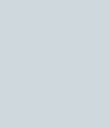
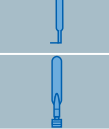
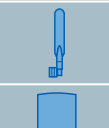

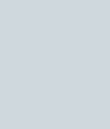
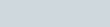
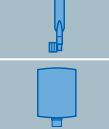
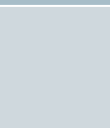
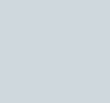
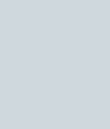
	C-PLUG	Swap medium for simple replacement of devices in the event of a fault	6GK1 900-0AB00
	KEY-PLUG W780	Swap medium for upgrading with additional functions in access point mode	6GK5 907-8PA00
	KEY-PLUG W740	Swap medium for upgrading with additional functions in client mode	6GK5 907-4PA00
	MS1 mounting set	For fixing the SCALANCE W786 products onto an S7-300 mounting rail or a 35 mm standard DIN rail	6GK5 798-8MG00-0AA0
	MS2 mounting set	For fixing the SCALANCE W784 products onto an S7-300 mounting rail or a 35 mm standard DIN rail	6GK5 798-8MJ00-0AA0
	DIN rail mounting adapter	For SCALANCE W788 M12 and SCALANCE W788 RJ45	6GK5 798-8ML00-0AB3
	Antenna Mounting Tool	Mounting tool for installation of ANT795-6MUN under a roof	6GK5 795-6MN01-0AA6
	IWLAN RCoax N-Connect Stripping Tool	Stripping tool for fast stripping of RCoax cable on site	6GK1 901-1PH00
	IWLAN RCoax Spacer 85 mm	85 mm spacer for RCoax Cable Clip 1/2 inch, 10 pieces	6GK5 798-8MD00-0AC1
	IWLAN RCoax Cable Clip 1/2"	IWLAN RCoax Cable Clip, 10 pieces	6GK5 798-8MB00-0AC1

**IWLAN – Accessories**

	for SCALANCE		Input voltage: 90 V AC ... 265 V Output voltage: 24 V DC Output power: 10 W IP65	6GK5 791-1PS00-0AA6
	W788-xPRO	Power Supply PS791-1PRO		
	W788-xRR			
	W74x-1PRO			
W74x-1RR				
	W786-xPRO/RR, W786-x RJ45/SFP	Power Supply PS791-2DC	24 V DC for direct installation	6GK5 791-2DC00-0AA0
		Power Supply PS791-2AC	110 V AC ... 230 V AC for direct installation	6GK5 791-2AC00-0AA0

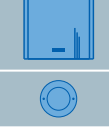

\*) Current ordering data as well as conditions of sales and delivery are available at [www.siemens.com/automation/salesmaterial-as/catalog/en/terms\\_of\\_trade\\_en.pdf](http://www.siemens.com/automation/salesmaterial-as/catalog/en/terms_of_trade_en.pdf)

**Industrial Wireless LAN-antennas – product overview**

Antennas exclusively for SCALANCE W-700 according to IEEE 802.11n						Antennas for SCALANCE W-700 according to IEEE 802.11n and 802.11a/b/g			Antennas exclusively for SCALANCE W-700 acc. to IEEE 802.11a/b/g		
with 1 connection		with 2 connections (dual)		with 3 connections (MIMO)		with 1 connection			with 1 connection		
	ANT795-4MA		ANT793-6DG		ANT795-6MT		ANT792-4DN		ANT795-4MR		
	ANT795-4MC		ANT793-8DJ		ANT793-6DT		ANT793-4MN		ANT795-4MS		
	ANT795-4MD		ANT793-8DK				ANT792-6MN		ANT795-6DN		
	ANT795-6DC						ANT793-6MN		ANT793-8DN		

**Wireless approvals**

You will find current wireless approvals in the internet at: [www.siemens.com/wireless-approvals](http://www.siemens.com/wireless-approvals)  
The SIMATIC NET Selection Tool is available to assist in selecting the right products for Industrial Wireless LAN:  
Online version: [www.siemens.com/snst](http://www.siemens.com/snst)  
Offline version: [www.siemens.com/snst-download](http://www.siemens.com/snst-download)

	ANT792-8DN		
	ANT795-6MN		
	RCoax radiating cables		