

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SCALANCE

6GK5744-1AA60-2AA0

INDUSTRIAL WIRELESS ETHERNET CLIENT

Used with the applicable SCALANCE W industrial wireless LAN configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation

Product-type designation	
	SCALANCE W744-1PRO IWLAN ETHERNET CLIENT MODULE SCALANCE W744-1PRO, FOR USE OUTSIDE OF USA 1 RADIO INTERFACE, IEEE 802.11B/G/A/H, INDUSTRIAL WIRELESS LAN (IWLAN), 2.4/5GHZ, UP TO 54 MBIT/S, WPA2/802.11I/11E, NOTE NATIONAL APPROVALS, POE, IP65 (-20-+60 DGR C), EN50155, SCOPE OF SUPPLY:2X ANT 795-4MR, IP67 HYBRID-CONNECT. PLUG, MOUNTING MATERIAL, MANUALS ON CD ROM GERMAN/ENGLISH
Transmission rate	
Transfer rate	
• with W-LAN / maximum	54 Mbit/s
• with Industrial Ethernet	10 ... 100 Mbit/s
• note	Due to the simultaneous use of several radio channels, a transmission rate of 108 Mbit/s is possible (turbo mode)
Interfaces	
Number of electrical connections	
• for network components and terminal equipment	1
• for power supply	1
• for redundant power supply	1
Design of electrical connection	
• for network components and terminal equipment	Hybrid socket, RJ45 integrated
• for power supply	M12 interface (4-pole, A-coded), hybrid socket, PoE
design of the removable storage / C-PLUG	Yes
Interfaces / wireless	
Number of radio cards / permanently installed	1
Number of electrical connections / for external antenna(s)	2
Design of the electrical connection / for external antenna(s)	R-SMA female (socket)
Supply voltage, current consumption, power loss	

Type of voltage / of supply voltage	DC
Supply voltage	
• 1 / from M12 Power Connector (A-coded) for redundant power supply	24 V
• 2 / from M12 Power Connector (A-coded) for redundant power supply	48 V
• from Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af	48 V
Current consumed	
• at 24 V / with DC / typical	0.25 A
• at 48 V / with DC / typical	0.13 A
• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical	0.13 A
Active power loss	
• at 24V / for DC / typical	7 W
• at 48 V / with DC / typical	7 W
• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical	7 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-20 ... +60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	100 %
Protection class IP	IP65
Ambient condition / for (standard) operation mode	When used under hazardous conditions (Zone 2), the SCALANCE W788-xPRO/RR or W74x-1PRO/RR product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529.
Design, dimensions and weight	
Width / of enclosure / without antenna	125 mm
Height / of enclosure / without antenna	88 mm
Depth / of enclosure / without antenna	108 mm
Net weight	1.05 kg
Type of mounting	
• S7-300 rail mounting	Yes
• wall mounting	Yes
Wireless frequencies	
Radio frequency	
• for WLAN in 2.4 GHz frequency band	2.41 ... 2.48 GHz
• for WLAN in 5 GHz frequency band	4.9 ... 5.8 GHz
Product properties, functions, components / general	