SIEMENS

Data sheet

6GK5788-2GD00-0TB0



IWLAN Access Point, SCALANCE W788-2 M12 EEC USA, 2 radios, 6 N-CON antenna port, iFeatures support via key plug, IEEE 802.11a/b/g/h/n, 2.4/5GHz, gross 450 Mbit/s per radio, 1x M12 max. 1 Gbit/s, PoE, redundant 24 V DC, M12 A-coded IP65, -40...+70 °C, plug slot WPA2/802.11i/e,conformal coating EN 50155, EN 45545, observe national approvals! CERT ID: RAPN-W2-M12-E3, includes: MPCIE-R1-ABGN-U3, scope of delivery: Manuals on CD-ROM, German/English, M12 sealing caps, only for operation in USA

Transfer rate	
Transfer rate	
with WLAN / maximum	450 Mbit/s
• for Industrial Ethernet	10, 100, 1000 Mbit/s
Transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	1000 Mbit/s

Interfaces	
Number of electrical connections	
 for network components or terminal equipment 	1
for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	
• for network components or terminal equipment	M12 interface (8-pole, X-coded), PoE
for power supply	M12 interface (4-pole, A-coded)
design of the removable storage	
• C-PLUG	Yes
• KEY-PLUG	Yes

Number of radio cards / permanently installed Transmission mode / for multiple input multiple output (MIMC) Number of spatial streams 3 Number of electrical connections / for external antenna(s) Type of electrical connection / for external antenna(s) Product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss Type of voltage / of the supply voltage Supply voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at • tor type and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical Ambient temperature • during operation • during storage • during operation / maximum 2 2 3 3 3 3 3 3 3 3 3 3 3	Interfaces / wireless	
(MIMO) Number of spatial streams 3 Number of electrical connections / for external antenna(s) Product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss Type of voltage / of the supply voltage Supply voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical • with Power-over-Ethernet according to IEEE802.3at for type 2 if ypical	Number of radio cards / permanently installed	2
Number of electrical connections / for external antennals) Type of electrical connection / for external antenna(s) Product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss Type of voltage / of the supply voltage Supply voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af • from Power-over-Ethernet acc. to IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical		3x3
antenna(s) Type of electrical connection / for external antenna(s) Product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss Type of voltage / of the supply voltage Supply voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 3 • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at for type 2 and IEEE802.3at for type 2 and IEEE802.3at / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient conditions Ambient conditions Relative humidity / at 25 °C / without condensation / Relative humidity / at 25 °C / without condensation /	Number of spatial streams	3
Product feature / external antenna can be mounted directly on device Supply vollage, current consumption, power loss Type of voltage / of the supply voltage Supply voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical		6
directly on device Supply voltage, current consumption, power loss Type of voltage / of the supply voltage Supply voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 in and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient temperature • during operation • during storage • during transport Relative humidity / at 25 °C / without condensation / Relative humidity / at 25 °C / without condensation / Relative humidity / at 25 °C / without condensation / Robert Substance Substan	Type of electrical connection / for external antenna(s)	N-Connect (socket)
Type of voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 and IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical		Yes
Supply voltage / 1 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient conditions Ambient conditions Ambient according to 40 +74 °C • during storage • during transport Auc +74 °C 40 +85 °C Relative humidity / at 25 °C / without condensation / 100 %	Supply voltage, current consumption, power loss	
• from M12 Power Connector (A-coded) for redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical	Type of voltage / of the supply voltage	DC
redundant power supply Supply voltage / 2 • from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to ID.7 W IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to ID.7 W IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to ID.7 W IEEE802.3at for type 2 / typical Ambient conditions Ambient conditions Ambient temperature • during operation • during storage • during transport Au +74 °C • during transport Relative humidity / at 25 °C / without condensation / Relative humidity / at 25 °C / without condensation / 100 %	Supply voltage / 1	
• from M12 Power Connector (A-coded) for redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af • from Power-over-Ethernet acc. to IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical		19.2 V
redundant power supply Supply voltage • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af • from Power-over-Ethernet acc. to IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical • with Power-over-Ethernet according to IEEE802.3af for type 2 / typical	Supply voltage / 2	
from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af from Power-over-Ethernet acc. to IEEE802.3at for type 2 Consumed current		28.8 V
for type 1 and IEEE802.3af • from Power-over-Ethernet acc. to IEEE802.3at for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient temperature • during operation • during storage • during transport Relative humidity / at 25 °C / without condensation / Relative humidity / at 25 °C / without condensation /	Supply voltage	
for type 2 Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient conditions Ambient temperature • during operation • during storage • during transport Relative humidity / at 25 °C / without condensation / 100 %		48 V
at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 2 / typical with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient conditions Ambient temperature during operation during storage during transport Relative humidity / at 25 °C / without condensation / 100 %		50 V
with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Power loss [W] at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient temperature during operation during storage during storage during transport Relative humidity / at 25 °C / without condensation / 100 %	Consumed current	
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IEEE802.3at for type 2 / typical Power loss [W]	5	0.22 A
 at DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient temperature during operation during storage during transport Relative humidity / at 25 °C / without condensation / 15 W 10.7 W 10.7 W 10.7 W 10.7 W 10.7 W 10.8 W 10.9 W <	_	0.3 A
with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient temperature during operation during storage during transport Relative humidity / at 25 °C / without condensation / 10.7 W 1	Power loss [W]	
IEEE802.3at for type 1 and IEEE802.3af / typical • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical Ambient conditions Ambient temperature • during operation • during storage • during transport Auding transport Relative humidity / at 25 °C / without condensation / 15 W 15 W 15 W 16 W 17 W 18 W 18 W 19 W 10 W 10 W	• at DC / at 24 V / typical	15 W
Ambient conditions Ambient temperature • during operation • during storage • during transport -40 +74 °C -40 +85 °C • during transport -40 +85 °C Relative humidity / at 25 °C / without condensation /		10.7 W
Ambient temperature • during operation • during storage • during transport -40 +74 °C -40 +85 °C • during transport -40 +85 °C Relative humidity / at 25 °C / without condensation / 100 %	_	15 W
Ambient temperature • during operation • during storage • during transport -40 +74 °C -40 +85 °C • during transport -40 +85 °C Relative humidity / at 25 °C / without condensation / 100 %	Ambient conditions	
 during storage during transport Relative humidity / at 25 °C / without condensation / 40 +85 °C 100 % 		
 during storage during transport Relative humidity / at 25 °C / without condensation / during transport 40 +85 °C 100 % 	during operation	-40 +74 °C
• during transport -40 +85 °C Relative humidity / at 25 °C / without condensation / 100 %		-40 +85 °C
Relative humidity / at 25 °C / without condensation / 100 %		-40 +85 °C
	Relative humidity / at 25 °C / without condensation /	100 %

Ambient condition / for operation	When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x 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.
Protection class IP	IP65

Design, dimensions and weights	
Width / of the enclosure / without antenna	200 mm
Height / of the enclosure / without antenna	176 mm
Depth / of the enclosure / without antenna	79 mm
Net weight	1.7 kg
Product feature / conformal coating	Yes
Mounting type	For 35 mm DIN rail mounting an additional mounting adapter is required
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
• 35 mm DIN rail mounting	Yes
wall mounting	Yes

Radio frequencies

Operating frequency

• for WLAN in 2.4 GHz frequency band 2.41 ... 2.48 GHz; depending on the country approvals

• for WLAN in 5 GHz frequency band 4.9 ... 5.8 GHz; depending on the country approvals

Product features, product functions, product o	components / general
Product function / Access Point Mode	Yes
Product function / Client Mode	Yes
Number of SSIDs	16
Product function	
• iPCF Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'
• iPCF client	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
• iPCF-MC Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'
• iPCF-MC client	Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
Number of iPCF-capable radio modules	0
Product function / iREF	No; In combination only with 'KEY-PLUG W780 iFeatures'
Number of iREF-capable radio modules	0
Product function / iPRP	Yes; In combination with the 'KEY-PLUG W780 iFeatures' only

Product functions / management, configuration, engineering	
Number of manageable IP addresses / in client	8
Product function	
• CLI	Yes
web-based management	Yes
MIB support	Yes

TRAPs via email	Yes
Configuration with STEP 7	Yes
• configuration with STEP 7 in the TIA Portal	Yes
operation with IWLAN controller	No
operation with Enterasys WLAN controller	No
• forced roaming on IP down with IWLAN	Yes
• forced roaming on link down with IWLAN	Yes
WDS	Yes
Protocol / is supported	.00
Address Resolution Protocol (ARP)	Yes
• ICMP	Yes
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance function	
I&M0 - device-specific information	Yes
I&M1 – higher-level designation/location	Yes
designation	
9	
Product functions / Diagnostics	
Product functions / Diagnostics	Yes
Product functions / Diagnostics Product function	Yes No
Product functions / Diagnostics Product function • PROFINET IO diagnosis	
Product functions / Diagnostics Product function • PROFINET IO diagnosis • Link Check	No
Product functions / Diagnostics Product function • PROFINET IO diagnosis • Link Check • connection monitoring IP-Alive	No No
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout	No No Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog	No No Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported	No No Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1	No No Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v3 Product functions / VLAN	No No Yes Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v3	No No Yes Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v3 Product functions / VLAN	No No Yes Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v3 Product functions / VLAN Product function function VLAN with IWLAN Product functions / DHCP	No No Yes Yes Yes Yes Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v3 Product functions / VLAN Product function function VLAN with IWLAN Product functions / DHCP Product function	No No Yes Yes Yes Yes Yes Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v3 Product functions / VLAN Product function function VLAN with IWLAN Product functions / DHCP Product function DHCP client	No No Yes Yes Yes Yes Yes Yes Yes
Product functions / Diagnostics Product function PROFINET IO diagnosis Link Check connection monitoring IP-Alive localization via Aeroscout SysLog Protocol / is supported SNMP v1 SNMP v2 SNMP v3 Product functions / VLAN Product function function VLAN with IWLAN Product functions / DHCP Product function	No No Yes Yes Yes Yes Yes Yes Yes

Product functions / redundancy	
Protocol / is supported	
• STP/RSTP	Yes
• MSTP	Yes
• RSTP	Yes
Product functions / Security	
Product function	
ACL - MAC-based	Yes
 Management security, ACL-IP based 	Yes
• IEEE 802.1x (radius)	Yes
• NAT/NAPT	Yes
 access protection according to IEEE802.11i 	Yes
WPA/WPA2	Yes
• TKIP/AES	Yes
Protocol / is supported	
• SSH	Yes
• RADIUS	Yes
Product functions / time	
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
SIMATIC time synchronization (SIMATIC Time)	Yes
Standards, specifications, approvals	
Standard	EM 2044; Class I. Division 2. Crayes A.D.C.D. TA / Class 4. Zana
• for FM	FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4
for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA
- 101 Hazardous zone	07 ATEX 0145X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
• for hazardous zone / from CSA and UL	ANSI/ISA 12.12.01-2013, CAN/CSA C22.2 No.213-M1987, CL. 1,
Certificate of suitability	Div. 2, GP. A,B,C,D, T4 / CL. 1, Zone 2, GP IIC
EC declaration of conformity	Yes
CE marking	Yes
CE marking C-Tick	Yes
	Yes
• E1 approval	Yes
 Railway application in accordance with EN 50155 	1 65
 Railway application in accordance with EN 50121-4 	Yes
• Fire protection in accordance with EN 45545-2	Yes

NEMA TOO	Vaa
• NEMA TS2	Yes
• IEC 61375	No
• IEC 61850-3	No
• NEMA4X	No
 Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af 	Yes
 Power-over-Ethernet according to IEEE802.3at for type 2 	Yes
Standard for wireless communication	
● IEEE 802.11a	Yes
● IEEE 802.11b	Yes
● IEEE 802.11e	Yes
● IEEE 802.11g	Yes
• IEEE 802.11h	Yes
• IEEE 802.11i	Yes
• IEEE 802.11n	Yes
Wireless approval	For operation in the USA, you will find more information under: www.siemens.de/funkzulassungen
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
Bureau Veritas (BV)	Yes
• DNV GL	Yes
 Korean Register of Shipping (KRS) 	Yes
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
Royal Institution of Naval Architects (RINA)	Yes

Further information / Internet-Links

ernet-Link	
• to website: TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to the website: IWLAN	http://www.siemens.com/iwlan
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com

Security information

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Thirdparty products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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