



IWLAN CLIENT, SCALANCE W722-1 RJ45, FOR USE OUTSIDE OF USA, 1 RADIO, 1 R-SMA ANT. CONNECT., IFEATURES (IPCF) IEEE 802.11A/B/G/H/N, 2.4/5GHZ, BRUTTO DATA RATE 150 MBIT/S, 1 X RJ45 (MAX. 100 MBIT/S), 1X24VDC, IP20, PLEASE NOTE NATIONAL APPROVALS. SCOPE OF SUPPLY: MANUALS ON CD ROM, GERMAN / ENGLISH, 1 X TERMINAL BLOCK

Transmission rate

Transfer rate

• with WLAN / maximum	150 Mbit/s
• for Industrial Ethernet	10 Mbit/s, 100 Mbit/s

Interfaces

Number of electrical connections

- for network components or terminal equipment
- for power supply
- for redundant voltage supply

1
1
0

Design of the electrical connection

- for network components or terminal equipment
- for power supply

RJ45 socket
3-pole screw terminal

design of the removable storage

- C-PLUG
- KEY-PLUG

No
No

Interfaces / wireless

Number of radio cards / permanently installed

1

Number of electrical connections / for external antenna(s)

1

Design of the electrical connection / for external antenna(s)

R-SMA (socket)

Product property / external antenna can be mounted directly on device

Yes

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage / 1	
• from terminal block	19.2 V
Supply voltage / 2	
• from terminal block	28.8 V
Consumed current	
• for DC / at 24 V / typical	0.15 A
Active power loss	
• for DC / at 24 V / typical	3.6 W

Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 55 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Ambient condition / for operation	When used under hazardous conditions (Zone 2), the SCALANCE W761-1 RJ45 or W72x-1 RJ45 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	IP20

Design, dimensions and weight

Width	50 mm
Height	114 mm
Depth	74 mm
Width / of the enclosure / without antenna	50 mm
Height / of the enclosure / without antenna	114 mm
Depth / of the enclosure / without antenna	74 mm
Net weight	0.13 kg
Mounting type	
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
• wall mounting	No

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

Product function / Access Point Mode	No
Product function / Client Mode	Yes
Product function	
• Dual Client	No

• iPCF client	Yes
• iPCF-MC Access Point	No
• iPCF-MC client	No
Number of iPCF-capable radio modules	1

Product functions / management, configuration

Number of manageable IP addresses / in client	4
Product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	No
• configuration with STEP 7 in the TIA Portal	No
• forced roaming with IWLAN	No
• WDS	No
Protocol / is supported	
• Address Resolution Protocol (ARP)	Yes
• ICMP	Yes
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• DCP	Yes
• LLDP	No
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes

Product functions / Diagnosis

Product function	
• PROFINET IO diagnosis	No
• Link Check	No
• connection monitoring IP-Alive	No
• localization via Aeroscout	No
• SysLog	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes

Product functions / VLAN

Product function	
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- function VLAN with IWLAN

No

Product functions / DHCP

Product function

- DHCP client
- in Client Mode / DHCP server via LAN

Yes

No

Product functions / Security

Product function

- ACL - MAC-based
- Management security, ACL-IP based
- IEEE 802.1x (radius)
- NAT/NAPT
- access protection according to IEEE802.11i
- WPA/WPA2
- TKIP/AES

No

Yes

Yes

No

Yes

Yes

Yes

Protocol / is supported

- SSH

Yes

Product functions / Time

Protocol / is supported

- SNTP
- SIMATIC Time

Yes

Yes

Standards, specifications, approvals

Standard

- for FM
- for hazardous zone
- for safety / from CSA and UL
- for hazardous zone / from CSA and UL

FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4

EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X

UL 60950-1 CSA C22.2 No. 60950-1

ANSI/ISA 12.12.01-2013, CAN/CSA C22.2 No.213-M1987, CL. 1, Div. 2, GP. A,B,C,D, T4 / CL. 1, Zone 2, GP IIC

Certificate of suitability

- EC declaration of conformity
- CE marking
- C-Tick
- CCC
- E1 approval
- Railway application in accordance with EN 50155
- Fire protection in accordance with EN 45545-2
- NEMA TS2
- IEC 61375
- IEC 61850-3

Yes

Yes

Yes

No

No

No

No

No

No

No

<ul style="list-style-type: none"> • NEMA4X • Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af • Power-over-Ethernet according to IEEE802.3at for type 2 	No
Standard for wireless communication	No
<ul style="list-style-type: none"> • IEEE 802.11a • IEEE 802.11b • IEEE 802.11e • IEEE 802.11g • IEEE 802.11h • IEEE 802.11i • IEEE 802.11n 	Yes
Wireless approval	Yes
Marine classification association	Yes
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) 	Yes
	You will find the current list of countries at: www.siemens.de/funkzulassungen

Accessories

accessories	24 V DC screw terminal included in scope of delivery
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Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: TIA Selection Tool • to the website: IWLAN • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax http://support.automation.siemens.com

Security information

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