SIEMENS

Data sheet

6GK5722-1FC00-0AA0

product type designation



W722-1 RJ45

IWLAN client, SCALANCE W722-1, RJ45, 1 radio, 1 R-SMA antenna port, iFeatures support IEEE 802.11a/b/g/h/n, 2.4/5GHz, gross data rate 150 Mbit/s, 1x RJ45 max. 100 Mbit/s, 24 V DC, joint block, IP20, 0... +55 °C, WPA2/802.11i/e, observe national approvals! CERT ID: ELN-W1-RJ-E1, scope of delivery: Manuals on CD-ROM, German/English, 1x joint block; for operation outside of USA/Israel.

transfer rate • with WLAN / maximum • for industrial Ethernet • minimum • maximum • maximum 10 Mbit/s • for network components or terminal equipment • for network components or terminal equipment • for retwork components or terminal equipment • for retwork components or terminal equipment • for power supply • for redundant voltage supply type of electrical connection • for power supply design of the removable storage • C-P-LUG • KEY-P-LUG • No • Total cards / permanently installed • number of radio cards / permanently installed • number of radio cards / permanently installed • In unification onnections / for external antenna(s) • R-SMA (socket) • Yes • C-P-LUG • AT DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block	transfer rate	
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maximum interfaces number of electrical connections of network components or terminal equipment for power supply for redundant voltage supply of or retwork components or terminal equipment of network consumption or terminal equipment of network consumption or terminal equipment of	transfer rate / for Industrial Ethernet	
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product feature / external antenna can be mounted directly on device Supply voltage, current consumption, power loss type of voltage / of the supply voltage consumed current • at DC / at 24 V / typical power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical • from terminal block 19.2 V supply voltage / 2 • from terminal block 28.8 V	number of electrical connections / for external antenna(s)	1
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supply voltage / 1 • from terminal block supply voltage / 2 • from terminal block 28.8 V	power loss [W]	
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	ambient conditions	

Month Comparation
• during storage
• during transport 40 +88 °C relative humidary / at 25 °C / without condensation / during operation / maximum 95 % porteration / favor operation When used under hazardous conditions (Zone 2), the SCALANCE W781-1 RJ45 product must be installed in an enclosure. To comply with RJ45 or W72x-1 RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure. To comply with RJ45 product must be installed in an enclosure of a least IP SJ4 in RJ45 product must be installed in an enclosure. To comply with RJ45 product function of the enclosure / without antenna. 50 mm depth 50 mm 114 mm 40 mm
ambient condition / for operation ### SCALANCE W781-1 RL45 or W72x-1 RL45 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 60252, this enclosure must meet the requirements of at least IP 54 in compliance with EN 602529. #### POPPORT OF THE PROVINCE WITH A THE PRO
RLAS or WTZX-1 RLAS product must be installed in an enclosure. To comply with EN 50024, it his enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. IP20 design, dimensions and weights width
width 50 mm height 114 mm depth 74 mm width 7 of the enclosure / without antenna 50 mm height / of the enclosure / without antenna 50 mm height / of the enclosure / without antenna 114 mm depth / of the enclosure / without antenna 114 mm depth / of the enclosure / without antenna 74 mm net weight of the enclosure / without antenna 74 mm net weight 0.13 kg fastening method • \$7.300 rail mounting No • \$7.300 rail mounting No • \$7.500 rail mounting No • \$7.500 rail mounting No vall mounting No vall mounting No • or 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 function / Access Point Mode Yes product function / Cleant Mode Yes product function / Cleant Mode Yes product function / Cleant Mode Yes product function / PRP • CLI Yes • Web-based management Onfiguration, engineering number of manageable IP addresses / in client Yes • CLI • Web-based management Yes • CLI • Web-based management Yes • CLI • Web-based management Yes • CONFIGURATION OF • CALI Yes • CALI Ye
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 ICMP Telnet HTTP Yes Yes
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• HTTP Yes
• milro
TETD
• 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 / diagnostics
product function
product function • PROFINET IO diagnosis • link check No

a connection manifering ID Alive	No
connection monitoring IP-Alive Suplace	Yes
SysLog protocol / is supported.	Tes
protocol / is supported	Van
SNMP v1 CNMP v2	Yes
SNMP v2 CNMP v2	Yes
SNMP v3	Yes
product functions / VLAN	
product function	
function VLAN with IWLAN	No
product functions / DHCP	
product function	
DHCP client	Yes
DHCP server	Yes
DHCP Option 82	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	
product functions / time protocol / is supported	
	Yes
protocol / is supported	Yes Yes
protocol / is supported • NTP	
protocol / is supported • NTP • SNTP	Yes
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time)	Yes
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals	Yes
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC,
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC,
protocol / is supported • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM certificate of suitability	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick	Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick F1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick It approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11e	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No No No Yes Yes Yes Yes Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick F1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11e IEEE 802.11g	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No Yes Yes Yes Yes Yes Yes Yes Yes Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick E1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11f	Yes Yes Yes Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No No Yes
protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM certificate of suitability EC Declaration of Conformity CE marking C-Tick F1 approval railway application in accordance with EN 50155 NEMA TS2 IEC 61375 IEC 61850-3 NEMA4X Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af Power-over-Ethernet according to IEEE802.3at for type 2 standard for wireless communication IEEE 802.11a IEEE 802.11b IEEE 802.11e IEEE 802.11g	Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Yes Yes Yes No No No No No No No Yes Yes Yes Yes Yes Yes Yes Yes

wireless approval	You will find the current list of countries at: www.siemens.de/funkzulassungen
standards, specifications, approvals / marine classification	
Marine classification association	
American Bureau of Shipping Europe Ltd. (ABS)	No
 French marine classification society (BV) 	No
DNV GL	No
 Korean Register of Shipping (KRS) 	No
 Lloyds Register of Shipping (LRS) 	No
 Nippon Kaiji Kyokai (NK) 	No
 Polski Rejestr Statkow (PRS) 	No
 Royal Institution of Naval Architects (RINA) 	No
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• from CSA and UL	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 E240480
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
as marking	Ex nA IIC T4 Gc
accessories	
accessories	24 V DC screw terminal included in scope of delivery
further information / internet links	
internet link	
• to website: TIA Selection Tool	http://www.siemens.com/tia-selection-tool
 to web page: selection aid 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	
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