SIEMENS

Data sheet

6GK5748-1FC00-0AB0

product type designation



W748-1 RJ45 (USA)

product announced for discontinuation; IWLAN client, SCALANCE W748-1 RJ45, 1 radio, 3 R-SMA antenna port, iFeatures support via KEY-PLUG, IEEE 802.11a/b/g/h/n, 2.4/5GHz, gross 450 Mbps per radio, 1x RJ45 max. 1 Gbps, PoE, redundant 24 V DC, joint block, IP30, temp: -20 ...+60 °C, WPA2/802.11i/e, signaling contact observe national approvals! cert ID: RAPN-W1-RJ-E3, includes: MPCIE-R1-ABGN-U3, scope of delivery: manuals on CD-ROM, German/English, 2x joint blocks; for operation in the USA.

transfer rate • with WLAN / maximum • for Industrial Ethernet • minimum • maximum 1000 Mbit/s Interfaces number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1 ype of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG • KEY-PLUG • C-PLUG • REY-PLUG •	transfer rate	
• for Industrial Ethernet transfer rate / for Industrial Ethernet • minimum • maximum 10 Mbit/s 1000 Mbit/s Interfaces number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1/ye of electrical connection • for network components or terminal equipment • for power supply 1/ye of electrical connection • for redundant voltage supply 1/ye of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG * Yes	transfer rate	
transfer rate / for Industrial Ethernet	• with WLAN / maximum	450 Mbit/s
minimum maximum miterfaces number of electrical connections for network components or terminal equipment for power supply for nedundant voltage supply for nedundant voltage supply for network components or terminal equipment for power supply for po	for Industrial Ethernet	10, 100, 1000 Mbit/s
	transfer rate / for Industrial Ethernet	
Interfaces number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1 type of electrical connection • for network components or terminal equipment • for power supply 4-pole screw terminal, PoE design of the removable storage • C-P-LUG • KEY-PLUG memory design of the removable storage • C-P-LUG • KEY-PLUG memory design of the removable storage • C-P-LUG • Yes mumber of radio cards / permanently installed 1 transmission mode / for multiple input multiple output (MIMO) 3x3 number of spatial streams 3 number of spatial streams 3 number of electrical connection / for external antenna(s) 3 ype of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device signal inputs/outputs number of digital inputs 1 type of electrical connection / at the digital inputs/outputs 4-pole screw terminal signal range / at digital input 3 supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	• minimum	10 Mbit/s
number of electrical connections • for network components or terminal equipment • for power supply • for redundant voltage supply 1 type of electrical connection • for network components or terminal equipment • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG * Yes * Nes * Or network components or terminal equipment • C-PLUG • Yes * Nes * Ne	• maximum	1000 Mbit/s
For network components or terminal equipment 1	interfaces	
• for power supply • for redundant voltage supply type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG res • C-PLUG • Yes • KEY-PLUG res • C-PLUG • Yes • C-PLUG • Yes • C-PLUG • Yes • C-PLUG • Yes • KEY-PLUG res • C-PLUG • Yes • KEY-PLUG • Yes • KEY-PLUG • Yes • C-PLUG • Yes • KEY-PLUG • Yes interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 3x3 number of spatial streams 3 number of spatial streams 3 number of electrical connections / for external antenna(s) 3 type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device signal inputs/outputs number of digital inputs 1 number of digital inputs 1 type of electrical connection / at the digital inputs/outputs 4-pole screw terminal signal range / at digital output 5 type of voltage / of the supply voltage DC	number of electrical connections	
• for redundant voltage supply type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG **REY-PLUG **REY-PLUG **REY-PLUG **Pes • KEY-PLUG **Pes **REY-PLUG **Pes **Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) type of electrical connection / for external antenna(s) signal inputs/outputs number of digital inputs number of digital outputs 1 number of digital outputs 1 number of digital contputs 1 signal range / at digital output signal range / at digital output supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	 for network components or terminal equipment 	1
type of electrical connection • for network components or terminal equipment • for power supply design of the removable storage • C-PLUG • KEY-PLUG *Yes *KEY-PLUG *Yes • KEY-PLUG *Yes • KEY-PLUG *Yes • KEY-PLUG *Yes **Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 3 number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device signal imputs/outputs number of digital inputs 1 number of digital outputs type of electrical connection / at the digital inputs/outputs signal range / at digital output signal range / at digital output supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	for power supply	1
for network components or terminal equipment for power supply design of the removable storage C-PLUG KEY-PLUG Yes KEY-PLUG Yes KEY-PLUG Yes KEY-PLUG Yes KEY-PLUG Yes KEY-PLUG Yes Nes KEY-PLUG Yes Nes	 for redundant voltage supply 	1
• for power supply design of the removable storage • C-PLUG • KEY-PLUG remory design of the removable storage • C-PLUG • KEY-PLUG res • C-PLUG • KEY-PLUG Yes • C-PLUG • KEY-PLUG res interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) respondent feature / external antenna can be mounted directly on device signal inputs/outputs number of digital outputs 1 type of electrical connection / at the digital inputs/outputs signal range / at digital output signal range / at digital output supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	type of electrical connection	
design of the removable storage • C-PLUG • KEY-PLUG * KEY-PLUG * Ves * Memory design of the removable storage • C-PLUG • KEY-PLUG * Yes * KEY-PLUG * Yes * KEY-PLUG * Yes * KEY-PLUG * Yes * Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 3x3 number of spatial streams 3 number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device **signal inputs/outputs** number of digital inputs 1 number of digital inputs 1 type of electrical connection / at the digital inputs/outputs signal range / at digital input signal range / at digital output type of voltage / of the supply voltage DC	• for network components or terminal equipment	RJ45 socket
C-PLUG KEY-PLUG Yes memory design of the removable storage C-PLUG KEY-PLUG Yes KEY-PLUG Yes KEY-PLUG Yes Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 3x3 number of spatial streams 3 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 Signal inputs/outputs number of digital inputs 1 number of digital outputs 1 type of electrical connection / at the digital inputs/outputs 4-pole screw terminal signal range / at digital input 34 V DC, safety extra-low voltage signal range / at digital output type of voltage / of the supply voltage DC	for power supply	4-pole screw terminal, PoE
■ KEY-PLUG	design of the removable storage	
design of the removable storage • C-PLUG • KEY-PLUG *Yes *Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 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 signal inputs/outputs number of digital inputs number of digital outputs 1 type of electrical connection / at the digital inputs/outputs signal range / at digital output 24 V DC, safety extra-low voltage signal range / at digital output type of voltage, current consumption, power loss type of voltage / of the supply voltage DC	• C-PLUG	Yes
design of the removable storage • C-PLUG • KEY-PLUG Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 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 signal inputs/outputs number of digital inputs number of digital outputs 1 type of electrical connection / at the digital inputs/outputs signal range / at digital output supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	• KEY-PLUG	Yes
C-PLUG KEY-PLUG Yes Interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 3x3 number of spatial streams 3 number of electrical connections / for external antenna(s) 3 type of electrical connection / for external antenna(s) Product feature / external antenna can be mounted directly on device signal inputs/outputs number of digital inputs 1 type of electrical connection / at the digital inputs/outputs 1 type of electrical connection / at the digital inputs / 4-pole screw terminal signal range / at digital input signal range / at digital output type of voltage, current consumption, power loss type of voltage / of the supply voltage DC	memory	
interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) number of spatial streams 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 signal inputs/outputs number of digital inputs number of digital outputs type of electrical connection / at the digital inputs/outputs 1 type of electrical connection / at the digital inputs/outputs signal range / at digital output signal range / at digital output type of voltage, current consumption, power loss type of voltage / of the supply voltage DC	design of the removable storage	
interfaces / wireless number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 3x3 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 signal inputs/outputs number of digital inputs 1 type of electrical connection / at the digital inputs/outputs type of electrical connection / at the digital inputs/outputs signal range / at digital output 24 V DC, safety extra-low voltage signal range / at digital output supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	• C-PLUG	Yes
number of radio cards / permanently installed transmission mode / for multiple input multiple output (MIMO) 3x3 number of spatial streams 3 number of electrical connections / for external antenna(s) 3 type of electrical connection / for external antenna(s) Product feature / external antenna can be mounted directly on device signal inputs/outputs number of digital inputs 1 type of electrical connection / at the digital inputs/outputs 4-pole screw terminal signal range / at digital input 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	• KEY-PLUG	Yes
transmission mode / for multiple input multiple output (MIMO) number of spatial streams 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 signal inputs/outputs number of digital inputs 1 number of digital outputs type of electrical connection / at the digital inputs/outputs signal range / at digital input signal range / at digital output 24 V DC, safety extra-low voltage signal range / at digital output supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	interfaces / wireless	
number of spatial streams number of electrical connections / for external antenna(s) type of electrical connection / for external antenna(s) R-SMA (socket) product feature / external antenna can be mounted directly on device signal inputs/outputs number of digital inputs 1 number of digital outputs type of electrical connection / at the digital inputs/outputs signal range / at digital input signal range / at digital output signal range / at digital output signal range / at digital output supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	number of radio cards / permanently installed	1
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 signal inputs/outputs number of digital inputs 1 number of digital outputs type of electrical connection / at the digital inputs/outputs signal range / at digital input signal range / at digital output signal range / at digital output 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	transmission mode / for multiple input multiple output (MIMO)	3x3
type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on device signal inputs/outputs number of digital inputs number of digital outputs 1 type of electrical connection / at the digital inputs/outputs signal range / at digital input signal range / at digital output 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	number of spatial streams	3
product feature / external antenna can be mounted directly on device signal inputs/outputs number of digital inputs number of digital outputs 1 type of electrical connection / at the digital inputs/outputs signal range / at digital input signal range / at digital output 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	number of electrical connections / for external antenna(s)	3
device signal inputs/outputs number of digital inputs number of digital outputs type of electrical connection / at the digital inputs/outputs signal range / at digital input signal range / at digital output 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	type of electrical connection / for external antenna(s)	R-SMA (socket)
number of digital inputs 1 number of digital outputs 1 type of electrical connection / at the digital inputs/outputs 4-pole screw terminal signal range / at digital input 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC		Yes
number of digital outputs type of electrical connection / at the digital inputs/outputs signal range / at digital input 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	signal inputs/outputs	
type of electrical connection / at the digital inputs/outputs signal range / at digital input 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	number of digital inputs	1
signal range / at digital input 24 V DC, safety extra-low voltage signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	number of digital outputs	1
signal range / at digital output 24 V DC / 1 A supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	type of electrical connection / at the digital inputs/outputs	4-pole screw terminal
supply voltage, current consumption, power loss type of voltage / of the supply voltage DC	signal range / at digital input	24 V DC, safety extra-low voltage
type of voltage / of the supply voltage DC	signal range / at digital output	24 V DC / 1 A
Alexander and a supply and a	supply voltage, current consumption, power loss	
supply voltage	type of voltage / of the supply voltage	DC
	supply voltage	

 from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af 	48 V
from Power-over-Ethernet according to IEEE802.3at for	50 V
type 2	
consumed current	
at DC / at 24 V / typical	0.45 A
 with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 	0.22 A
 with Power-over-Ethernet according to IEEE802.3at for type 2 / typical 	0.21 A
power loss [W]	
at DC / at 24 V / typical	10.7 W
 with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 	10.7 W
 with Power-over-Ethernet according to IEEE802.3at for type 2 / typical 	10.7 W
supply voltage / 1	
from terminal block	19.2 V
supply voltage / 2	
• from terminal block	28.8 V
ambient conditions	
ambient temperature	
during operation	-20 +60 °C
during storage	-40 +85 °C
during storage during transport	-40 +85 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	90 %
ambient condition / for operation	When used under hazardous conditions (Zone 2), the SCALANCE W788-x or
ambient condition, for operation	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	IP30
design, dimensions and weights	11 30
	000
width / of the enclosure / without antenna	200 mm
height / of the enclosure / without antenna	158 mm
depth / of the enclosure / without antenna	79 mm
net weight	1.7 kg
fastening method	For 35 mm DIN rail mounting an additional mounting adapter is required
• S7-300 rail mounting	Yes
 S7-1500 rail mounting 	Yes
 35 mm top hat 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 components / gene	eral
product function / Access Point Mode	No
product function / client Mode	Yes
product function	
• iPCF client	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
• iPCF-MC client	No; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
number of iPCF-capable radio modules	1
product function / iPRP	Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' only
product functions / management, configuration, engineering	
number of manageable IP addresses / in client	8
product function	
• CLI	Yes
web-based management	Yes
web-based management	
MIB support	
MIB support TRAPs via email	Yes Yes

	f	V
WOS	• configuration with STEP 7	Yes
Address Resolution Protocol (ARP)		
Address Resolution Protocol (ARP)		No
• CIAIP	protocol / is supported	
* Information Yes	 Address Resolution Protocol (ARP) 	Yes
HITTP HITTP HITTP ODC OF OF OTHER OLDP Ves ILIDP OCH Ves Identification & maintenance function I MMI - Righer level designation/location designation PROFINET IO diagnosis In Michael Comments OF SARP Ves OND OND ORDER OND	• ICMP	Yes
+ HTTPS	Telnet	Yes
FTFP	• HTTP	Yes
COCP	• HTTPS	Yes
Identification & maintenance function	• TFTP	Yes
Identification & maintenance function Nes	• DCP	Yes
IsaM - rispher level designation/location designation Yes	• LLDP	Yes
Name	identification & maintenance function	
product functions / diagnostics product function PROFINET I/O diagnosts ink check No connection monitoring IP-Alive Syst.og protocol / is supported SNIMP v1 SNIMP v2 SNIMP v3 Product functions / VLAN product functions / VLAN product function VLAN with IWLAN product function VLAN with IWLAN Proflect function / DHCP product functions / DHCP product functions / PERSIP OHCP client SIPINESIP SIPINESIP ASTP ASTP ASTP ASTP ASTP ACL - MAC-based ACL - MA	 I&M0 - device-specific information 	Yes
product function PROFINET ID diagnosis PROFINET ID diagnosis Protocol / is supported OND PROFINET ID diagnosis Protocol / is supported PROFINET ID diagnosis Protocol / is supported PROFINET ID diagnosis PROFINET ID diagn	 I&M1 - higher level designation/location designation 	Yes
PROC NINET IC diagnosis	product functions / diagnostics	
• link check • connection monitoring IP-Alive • Syst.0g	product function	
• link check • connection monitoring IP-Alive • Syst.0g		Yes
connection monitoring IP-Alive Systog Yes protocol / is supported SMMP v1 SMMP v2 SMMP v3 SMM		
• SysLog		
Protocol / is supported SMMP v3		
• SNMP v1 • SNMP v3 • SNMP v3		
• SMMP v3	•	Yes
• SNMP v3 product functions / VLAN product function		
product function VLAN product function (
product function VLAN with IWLAN • function VLAN with IWLAN product functions / DHCP product function • DHCP client Yes • DHCP populo 82 product functions / redundancy product function		
• function VLAN with IMLAN product functions / DHCP product function		
product functions / DHCP product function	•	No
product function DHCP client DHCP server DHCP Option 82 Yes Product functions / redundancy Protocol / is supported STR/PSTP STP STP STP STP STP STP STP STP STP		110
• DHCP client • DHCP server • DHCP Option 82 product functions / redundancy protocol / is supported • STP/RSTP • MSTP • MSTP • RSTP product functions / security product functions / security product function • ACL - MAC-based • management security, ACL-IP based • IEEE 802.1 tx (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPA/WPA2 • TKIP/AES • TKIP/AES protocol / is supported • SSH • RADIUS product functions / time protocol / is supported • NTP • SIMATIC time synchronization (SIMATIC Time) standard • for FM CHI STR STP Yes Yes FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X FM 16US0205X		
• DHCP server • DHCP Option 82 product functions / redundancy protocol / is supported • STP/RSTP • MSTP • MSTP • MSTP • MSTP • ACL - MAC-based • management security, ACL-IP based • IEEE 802.1x (radius) • NATINAPT • access protection according to IEEE802.11i • WPA/WPA2 • TKIP/AES • TKIP/AES protocol / is supported • SSH • SSH • SABH • SSH • SIMATIC time synchronization (SIMATIC Time) standards • for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X FM 16US0205X	•	Vec
DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP STP/RSTP STP NSTP Yes RSTP Product functions / security product function / security product function / ACL - MAC-based management security, ACL-IP based management security, ACL-IP based management security, ACL-IP based management security in the securit		
protocol / is supported • STP/RSTP • MSTP • MSTP • RSTP product functions / security product function • ACL - MAC-based • IEEE 802.1x (radius) • NATNAPT • access protection according to IEEE802.11i • WPAWPA2 • TKIP/AES protocol / is supported • SSH • RADIUS Protocol / is supported • NSTP protocol / is supported • SSH • RADIUS Protocol / is supported • SSH • SNTP • SIMATIC time synchronization (SIMATIC Time) standard • for FM FM 3611: Class I, Division 2, Groups A.B.C.D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Certificate of suitability		
protocol / is supported • STP/RSTP • MSTP • RSTP 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 • WPAWPA2 • TKIP/AES protocol / is supported • SSH • RADIUS protocol / is supported • SSH • RADIUS Protocol / is supported • SSH • SNTP • SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard • for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability	·	Tes
STP/RSTP MSTP RSTP Yes Yes Product functions / security Product function ACL - MAC-based management security, ACL-IP based management security, ACL-IP based MAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TIP/AES Protocol / is supported SSH RADIUS Protocol / is supported SSH STP/RSTP Yes RADIUS Protocol / is supported NTP SIMATIC time synchronization (SIMATIC Time) Standard FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X Certificate of suitability		
MSTP RSTP Yes roduct functions / security product functions / security product functions / security Product functions / security ACL - MAC-based Pes RSTP Product functions / security, ACL-IP based Pes RSTP RSTP Product (radius) Pes RADIVS Protector / is supported Protector / is supported Protector / is supported Protector / is supported Product functions / time Protector / is supported		V
• RSTP 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 • RADIUS product functions / time protocol / is supported • NTP Yes • SIM Yes • SIMATIC time synchronization (SIMATIC Time) Yes standard • for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability		
product function ACL - MAC-based management security, ACL-IP based leEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPAWPA2 TKIP/AES Protocol / is supported NTP NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability		
product function ACL - MAC-based management security, ACL-IP based leEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPAWPA2 TKIP/AES Protocol / is supported SSH RADIUS Protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability		Yes
ACL - MAC-based management security, ACL-IP based lEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPAWPA2 TKIP/AES protocol / is supported SSH RADIUS Product functions / time protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X		
 management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES TKIP/AES Protocol / is supported SSH RADIUS Yes Product functions / time Protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) Standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X 	•	
IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPAWPA2 TKIP/AES Protocol / is supported SSH RADIUS Product functions / time Protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X		
NAT/NAPT access protection according to IEEE802.11i Yes WPAWPA2 Yes TKIP/AES Yes protocol / is supported SSH RADIUS Yes product functions / time protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability		
access protection according to IEEE802.11i WPAWPA2 Yes TKIP/AES Yes protocol / is supported SSH RADIUS product functions / time protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability		
WPAWPA2 TKIP/AES Yes protocol / is supported SSH RADIUS product functions / time protocol / is supported NTP SNTP SNTP SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability		
TKIP/AES Protocol / is supported SSH RADIUS Product functions / time Protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) Standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability	· · · · · · · · · · · · · · · · · · ·	
protocol / is supported SSH RADIUS Yes product functions / time protocol / is supported NTP SNTP SIMATIC time synchronization (SIMATIC Time) Standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X		
SSH RADIUS Product functions / time protocol / is supported NTP SIMATIC time synchronization (SIMATIC Time) Standards, specifications, approvals standard for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability		Yes
PRADIUS Product functions / time Protocol / is supported ■ NTP ■ SNTP ■ SIMATIC time synchronization (SIMATIC Time) Standards, specifications, approvals standard ■ for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X		
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standard • for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X certificate of suitability	• SIMATIC time synchronization (SIMATIC Time)	Yes
• for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	standards, specifications, approvals	
T4, FM16US0205X certificate of suitability	standard	
T4, FM16US0205X certificate of suitability	• for FM	
		T4, FM16US0205X
EC Declaration of Conformity Yes	•	
	EC Declaration of Conformity	Yes

Yes
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