# **SIEMENS**

### **Data sheet**

## 6GK5734-1FX00-0AB0

#### product type designation



#### W734-1 RJ45 (USA)

IWLAN client, SCALANCE W734-1, RJ45, 1 radio, 2 R-SMA antenna port, iFeatures support via key plug, IEEE 802.11a/b/g/h/n, 2.4/5GHz, gross data rate 300 Mbit/s, 2x RJ45 max. 100 Mbit/s, PoE integrated 2-port switch, redundant 24 V DC, terminal block, IP30, -20... 60 °C, plug slot WPA2/802.11i/e, observe national approvals! CERT ID: MSN-W1-RJ-E2, scope of delivery: Manuals on CD-ROM, German/English, 1x terminal block; only for operation in USA

transfer rate	
transfer rate	
<ul><li>with WLAN / maximum</li></ul>	300 Mbit/s
• for Industrial Ethernet	10, 100 Mbit/s
transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	100 Mbit/s
interfaces	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	2
<ul><li>for power supply</li></ul>	1
<ul> <li>for redundant voltage supply</li> </ul>	1
type of electrical connection	
<ul> <li>for network components or terminal equipment</li> </ul>	RJ45 socket
<ul><li>for power supply</li></ul>	4-pole screw terminal, PoE
design of the removable storage	
• C-PLUG	Yes
• KEY-PLUG	Yes
memory	
design of the removable storage	
• C-PLUG	Yes
• KEY-PLUG	Yes
interfaces / wireless	
number of radio cards / permanently installed	1
transmission mode / for multiple input multiple output (MIMO)	2x2
number of spatial streams	2
number of electrical connections / for external antenna(s)	2
type of electrical connection / for external antenna(s)	R-SMA (socket)
product feature / 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	
• from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af	48 V
consumed current	

<ul><li>at DC / at 24 V / typical</li></ul>	0.25 A
<ul> <li>with Power-over-Ethernet according to IEEE802.3at</li> </ul>	0.125 A
for type 1 and IEEE802.3af / typical	
power loss [W]	
<ul><li>at DC / at 24 V / typical</li></ul>	6 W
with Power-over-Ethernet according to IEEE802.3at     for type 4 and IEEE802.3af / typical	6 W
for type 1 and IEEE802.3af / typical	
supply voltage / 1	40.014
from terminal block	19.2 V
supply voltage / 2	
from terminal block	28.8 V
ambient conditions	
ambient temperature	
<ul><li>during operation</li></ul>	-20 +60 °C
<ul><li>during storage</li></ul>	-40 +85 °C
<ul> <li>during transport</li> </ul>	-40 +85 °C
relative humidity / at 25 °C / without condensation / during	95 %
operation / maximum	
ambient condition / for operation	When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 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	IP30
design, dimensions and weights	
width	26 mm
height	156 mm
depth	127 mm
width / of the enclosure / without antenna	26 mm
height / of the enclosure / without antenna	147 mm
depth / of the enclosure / without antenna	127 mm
net weight	0.52 kg
fastening method	wall mounting only if flat mounted
S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
35 mm top hat DIN rail mounting	Yes
	Yes
wall mounting	Tes
radio frequencies	
operating frequency	
<ul> <li>for WLAN in 2.4 GHz frequency band</li> </ul>	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	/ general
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	Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-
number of iDCE conchle redia module-	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	ng
number of manageable IP addresses / in client	8
product function	
• CLI	Yes
<ul> <li>web-based management</li> </ul>	Yes
MIB support	Yes
TRAPs via email	Yes
configuration with STEP 7	Yes
	Yes
<ul> <li>configuration with STEP 7 in the TIA Portal</li> </ul>	160

* MDS protocol / is supported  * Address Resolution Protocol (ARP)  * Iclant  * Iclant		
Address Resolution Protocol (ARP)  (CAPP)  (C		No
CICAP  Tehnet  Tehnet  HTTP  HTTP  Yes  HTTPS  OCP  OCP  Yes  LLDP  ALLDP  ALLDP  ALLDP  ALLDP  ALLDP  ALLDP  ALMA  LAMA  LAMA  LAMA  POPENIATIO disgnasis  First check  OND  Commection monitoring IP-Alive  No  Commection monitoring IP-Alive  No  Commection monitoring IP-Alive  No  No  Commection monitoring IP-Alive  No  No  Monitoria Indiana  No  SMMP v1  SMMP v2  Yes  SMMP v2  SMMP v3  Yes  Product functions /VAN  Product function  No  Product functions / NAN  NO  Product functions / NAN  NO  Product functions / NAN  NAN  Product functions / NAN  NAN  Product functions / Nan  NAN  NAN  Product functions / Nan  NAN  NAN  Product functions / Security  Product functions / Nan  NATINAPET  Nes  NA	protocol / is supported	
- Teinet - HTTP - HTTTP - HTTP	<ul> <li>Address Resolution Protocol (ARP)</li> </ul>	Yes
+ HTTP	• ICMP	Yes
HTTPS  HTTP  HUDP	<ul> <li>Telnet</li> </ul>	Yes
TETP  DCP  DCP  LLDP  No  Identification & maintenance function  I&Mr – higher level designation/location designation  Product functions / lisagnostics  product function  PROFINET IO diagnosis  Ink check  No  connection monitoring IP-Alive  SNBQ  SNBQ  Yes  product function  PROFINET IO diagnosis  Ink check  No  connection monitoring IP-Alive  SNBQ  SNBWP v1  SNBWP v1  SNBWP v2  SNBWP v3  Product functions / VLAN  product functions / PHCP  product functions / VLAN  product functions / VLAN  product functions / VLAN  product functions / PHCP  product functions / VLAN  product functions / PHCP  product functions / VLAN  PROFINET Yes  DHCP server  SHCRAFT  Yes  SHCRAFT  Yes  SHCRAFT  Yes  PROFINET Yes  RSTP  PROFINET Yes  RSTP  PROFINET Yes  RSTP  PROFINET Yes  RSTP  PROFINET Yes  SHCRAFT  PROFINET Yes  SHMATIC time sprotronization (SIMATIC Time)  Standard  FM S611: Class I, Division 2, Groups A,B,C,D, T.4 / Class 1, Zone 2, Group IC, T.4  FM S611 Class I, Division 2, Groups A,B,C,D, T.4 / Class 1, Zone 2, Group IC, T.4  FM S611 Class I, Division 2, Groups A,B,C,D, T.4 / Class 1, Zone 2, Groups II, Class I, Zone 2, Groups II,	• HTTP	Yes
DCP LLDP No identification & maintenance function  • I&MO - device-specific information  • I&MM - device-specific information  • I&MM - diplien level designation/casion designation  product functions / disgnostics  product function  • PROFINET IO diagnosis  • Inic check  • No  • PROFINET IO diagnosis  • Inic check  • No  • SysLog  • Yes  • SNMP v3  • SNMP v1  • SNMP v2  • SNMP v2  • SNMP v3  •	• HTTPS	Yes
LLIDP   Identification & maintenance function   Identification & maintenance function   Identification & maintenance function   Identification & Identificati	• TFTP	Yes
identification & maintenance function  • 18M0 - device-specific information  • 18M1 - higher level designation/location designation  product function  • PROFINET IO diagnostis  product function  • Syst.og  • Syst.og  • Syst.og  • SMMP V2  • SNMP V2  • SNMP V3  • SNMP V4  • SNMP V4  • SNMP V4  • SNMP V4  • SNMP V5  • SNMP V5  • SNMP V5  • SNMP V6  • SNMP V6  • SNMP V7  • SNMP V7  • SNMP V8  • SNMP V8  • SNMP V8  • SNMP V9  • DHCP Option 82  • Yes  • DHCP Option 82  • Yes  • DHCP Option 82  • Yes  • OHCP Option 82  • Yes  • STPRSTP  • RSTP  • SNSTP  • SNSTP  • SSTP  • SNSTP  • SSTP  • SNSTP  • SSTP  • SNSTP  • SNSTP  • SSSP  •	• DCP	Yes
identification & maintenance function  • 18M0 - device-specific information  • 18M1 - higher level designation/location designation  product function  • PROFINET IO diagnostis  product function  • Syst.og  • Syst.og  • Syst.og  • SMMP V2  • SNMP V2  • SNMP V3  • SNMP V4  • SNMP V4  • SNMP V4  • SNMP V4  • SNMP V5  • SNMP V5  • SNMP V5  • SNMP V6  • SNMP V6  • SNMP V7  • SNMP V7  • SNMP V8  • SNMP V8  • SNMP V8  • SNMP V9  • DHCP Option 82  • Yes  • DHCP Option 82  • Yes  • DHCP Option 82  • Yes  • OHCP Option 82  • Yes  • STPRSTP  • RSTP  • SNSTP  • SNSTP  • SSTP  • SNSTP  • SSTP  • SNSTP  • SSTP  • SNSTP  • SNSTP  • SSSP  •	• LLDP	No
ABM	identification & maintenance function	
ABM		Yes
product function PROFINET IC diagnosits Inik check Inik check Connection monitoring IP-Alive Systog Protocol / is supported SNMP v1 SNMP v2 SNMP v3 SNMP v3 Product functions Initiations		
product function PROFINET IO diagnosis PROFINET IO diagnosis Protocol / is supported SMMP V1 SMMP V2 SMMP V3 SMMP V3 Product functions / VLAN Product functions / VLAN Product functions / DHCP Product functions / DHCP Product functions / DHCP Product functions / PROFINET DHCP Cleint DHCP Cleint PROFINET PROFI		
PROFINET IO diagnosis		
Inlink check connection monitoring IP-Alive connection monitoring IP-Alive Systog protocol / is supported SNMP v1 SNMP v2 SNMP v2 SNMP v3 Product functions / VLAN  product function function VLAN with IWLAN  product function DHCP client DHCP prior STPRSTP SRSTP Yes STP SRSTP  Product function / Security  Pres SISTP  SSH  NATIVAES  Pes  protocol / is supported SSH  NATIVAES  Pes  SIMATIC time synchronization (SIMATIC Time)  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4	•	Vee
SysLog	_	
• SysLog protocol / is supported • SNMP v1 • SNMP v2 • SNMP v2 • SNMP v3 • Yes  product functions / VLAN  product functions / VLAN  product function • function VLAN with IWLAN  product function • DHCP client • DHCP server • DHCP Option 82  Product functions / redundancy  protocol / is supported • STP/RSTP • RSTP • RSTP  Product function / Security  product functions / Security  product function / Security  Pres  SIFP  SIFP  SIFP  SIFP  SIFP  SIFP  SIFP  Yes  Protocol / is supported  SSH  NATIFURES  Product functions / time  Protocol / is supported  NTP  SIMATIC time synchronization (SIMATIC Time)  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4		
protocol / is supported SNMP v1 SNMP v2 SNMP v3 SNMP v3 Yes  product functions / VLAN product function / SNMP v3 Foduct function / SNMP v3 Foduct functions / SNMP v3 FODE		
• SNMP v1 • SNMP v2 • SNMP v3 • SNMP v3 product functions / VLAN product function vLAN with IWLAN product function vLAN with IWLAN No product function / DHCP product function • DHCP client • DHCP option 82 • DHCP Option 82 • STP/RSTP product functions / redundancy protocol / is supported • STP/RSTP • MSTP • RSTP Product functions / security product function / • ACL - MAC-based • MAT/NAPT • ACL - MAC-based • NAT/NAPT • ACL - MAC-based • NAT/NAPT • ACL - MAC-based • NAT/NAPT • Yes • NAT/NAPT • Yes • SHADIUS  Product functions / time 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 IC, T4  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4		Yes
• SNMP v2 • SNMP v3 • Sundictions / VLAN  product function • function VLAN with IWLAN • Sundictions / DHCP  product function • DHCP client • DHCP server • DHCP Option 82 • Yes • DHCP Option 82 • Yes • DHCP Option 82 • Yes • STPPRSTP • MSTP • RSTP • RSTP • RSTP • Yes • MSTP • ACL - MAC-based • STPASSH • SEE 802.1x (radius) • ACL - MAC-based • IEEE 802.1x (radius) • NATINAPT • access protection according to IEEE802.11i • WPAWPA2 • TKIP/AES • SSH • RADIUS  Product functions / IEEE802.11i • SSH • SSH • SSH • SSH • SSH • SADIUS  Product functions / IEEE802.1x (radius) • SSH • SS		
• SNMP v3  product functions / VLAN  product function		
product functions / VLAN product function	SNMP v2	Yes
product function • function VLAN with IWLAN No  product functions / DHCP  product function • 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 functions / security  product functions / security  product functions • ACL - MAC-based • management security, ACL-IP based • IEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPAWPA2 • NAT/NAPT • access protection according to IEEE802.11i • WPAWPA2 • TKIP/AES  protocol / is supported • SSH • RADIUS  product functions / time  protocol / is supported • SSH • SSH • Yes • 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 IC, T4	SNMP v3	Yes
• function VLAN with IWLAN  product functions (DHCP)  product function  • DHCP client • DHCP client • DHCP server • DHCP Option 82  product functions / redundancy  protocol / is supported • STP/RSTP • MSTP • MSTP • RSTP  product functions / security  product function • ACL - MAC-based • MACL - MAC	product functions / VLAN	
product function  • DHCP client  • 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)  • NAT/NAPT  • access protection according to IEEE802.11i  • WAAWPA2  • TKIP/AES  protocol / is supported  • SSH  • RADIUS  product functions / security  Yes  protocol / is supported  • SSH  • RADIUS  product functions / security  Yes  protocol / is supported  • SSH  • NATP  • SMTP  • SM	product function	
product function  • DHCP client  • DHCP perver  • DHCP Option 82  Product functions / redundancy  protocol / is supported  • STP/RSTP  • MSTP  • RSTP  Product functions / security  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  protocol / is supported  • SSH  • RADIUS  Product functions / security  Yes  • MSTP  • Wes  • MATOL - MAC-based  • SSH  • SSH  • RADIUS  Product functions / time  protocol / is supported  • NTP  • SSHP  • 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	<ul> <li>function VLAN with IWLAN</li> </ul>	No
product function  • DHCP client  • DHCP perver  • DHCP Option 82  Product functions / redundancy  protocol / is supported  • STP/RSTP  • MSTP  • RSTP  Product functions / security  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  protocol / is supported  • SSH  • RADIUS  Product functions / security  Yes  • MSTP  • Wes  • MATOL - MAC-based  • SSH  • SSH  • RADIUS  Product functions / time  protocol / is supported  • NTP  • SSHP  • 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	product functions / DHCP	
DHCP client		
DHCP server     DHCP Option 82     Product functions / redundancy  protocol / is supported     STP/RSTP     MSTP     NSTP     NSTP     Product functions / security  product function     ACL - MAC-based     management security, ACL-IP based     management security, ACL-IP based     NAT/NAPT     Access protection according to IEEE802.11i     WPAWPA2     NAT/NAPT     Access protection according to IEEE802.11i     WPAWPA2     TKIP/AES     Yes  protocol / is supported     SSH     RADIUS     Pres  protocol / is supported     SSH     SSH     SSH     SNTP     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  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4		Yes
DHCP Option 82		
product functions / redundancy  protocol / is supported		
protocol / is supported  • STP/RSTP  • MSTP  • MSTP  • RSTP  product functions / security  product function  • ACL - MAC-based  • management security, ACL-IP based  • MAT/NAPT  • access protection according to IEEE802.11i  • WPAWPA2  • TKIP/AES  protocol / is supported  • SSH  • 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		165
STP/RSTP  MSTP  RSTP  Product functions / security  Product function  ACL - MAC-based  management security, ACL-IP based  lee 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		
MSTP RSTP Yes  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  Product functions / time  Protocol / is supported  NTP SIMATIC time synchronization (SIMATIC Time)  standards, specifications, approvals  standard  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4		V
■ 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  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  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4		
product functions / security  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  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		
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  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		Yes
ACL - MAC-based     management security, ACL-IP based     Maccomposed	product functions / security	
<ul> <li>management security, ACL-IP based</li> <li>IEEE 802.1x (radius)</li> <li>NAT/NAPT</li> <li>access protection according to IEEE802.11i</li> <li>WPA/WPA2</li> <li>TKIP/AES</li> <li>Protocol / is supported</li> <li>SSH</li> <li>RADIUS</li> <li>Product functions / time</li> <li>Protocol / is supported</li> <li>NTP</li> <li>SNTP</li> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>standards, specifications, approvals</li> <li>standard</li> <li>for FM</li> <li>FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4</li> </ul>	product function	
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)  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	<ul> <li>ACL - MAC-based</li> </ul>	Yes
<ul> <li>NAT/NAPT</li> <li>access protection according to IEEE802.11i</li> <li>WPA/WPA2</li> <li>TKIP/AES</li> <li>TKIP/AES</li> <li>Yes</li> <li>protocol / is supported</li> <li>SSH</li> <li>RADIUS</li> <li>Product functions / time</li> <li>protocol / is supported</li> <li>NTP</li> <li>SNTP</li> <li>SNTP</li> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>Standards, specifications, approvals</li> <li>standard <ul> <li>for FM</li> <li>FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4</li> </ul> </li> </ul>	<ul> <li>management security, ACL-IP based</li> </ul>	Yes
<ul> <li>access protection according to IEEE802.11i</li> <li>WPA/WPA2</li> <li>TKIP/AES</li> <li>TKIP/AES</li> <li>Yes</li> <li>protocol / is supported</li> <li>SSH</li> <li>RADIUS</li> <li>Yes</li> <li>product functions / time</li> <li>protocol / is supported</li> <li>NTP</li> <li>SNTP</li> <li>SNTP</li> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>Standards, specifications, approvals</li> <li>standard</li> <li>for FM</li> <li>FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4</li> </ul>	• IEEE 802.1x (radius)	Yes
<ul> <li>WPA/WPA2</li> <li>TKIP/AES</li> <li>Yes</li> <li>protocol / is supported</li> <li>SSH</li> <li>RADIUS</li> <li>Product functions / time</li> <li>protocol / is supported</li> <li>NTP</li> <li>SNTP</li> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>standards, specifications, approvals</li> <li>standard</li> <li>for FM</li> <li>FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4</li> </ul>		Yes
<ul> <li>WPA/WPA2</li> <li>TKIP/AES</li> <li>Yes</li> <li>protocol / is supported</li> <li>SSH</li> <li>RADIUS</li> <li>Product functions / time</li> <li>protocol / is supported</li> <li>NTP</li> <li>SNTP</li> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>standards, specifications, approvals</li> <li>standard</li> <li>for FM</li> <li>FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4</li> </ul>	<ul> <li>access protection according to IEEE802.11i</li> </ul>	Yes
■ TKIP/AES     protocol / is supported     ■ SSH		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		
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		
● 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		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		
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		
<ul> <li>NTP</li> <li>SNTP</li> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>Yes</li> <li>Standards, specifications, approvals</li> <li>standard</li> <li>for FM</li> <li>FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4</li> </ul>		
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		Von
● 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		
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		
standard  • for FM  FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4		Yes
• for FM FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4	standards, specifications, approvals	
Group IIC, T4	standard	
	• for FM	
• for safety / from CSA and UL UL 60950-1, CSA C22.2 No. 60950-1		
	tor safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1

certificate of suitability	V
EC Declaration of Conformity	Yes
• CE marking	Yes
• C-Tick	Yes
<ul><li>E1 approval</li></ul>	No
<ul> <li>railway application in accordance with EN 50155</li> </ul>	No
• NEMA TS2	No
• IEC 61375	No
• IEC 61850-3	No
• NEMA4X	No
<ul> <li>Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af</li> </ul>	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	You will find the current list of countries at: www.siemens.de/funkzulassungen
standards, specifications, approvals / marine classification	n
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
French marine classification society (BV)	Yes
• DNV GL	Yes
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	Yes
Lloyds Register of Shipping (LRS)	Yes
Nippon Kaiji Kyokai (NK)	Yes
Polski Rejestr Statkow (PRS)	Yes
Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / hazardous environn	nents
standard / for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07
certificate of suitability / CCC / for hazardous zone	ATEX 0145X Yes
according to GB standard	
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: Image database     to website: CAx-Download-Manager	http://www.siemens.com/cax
to website: CAX-Download-Manager     to website: Industry Online Support	https://support.industry.siemens.com
security information	International Professional Prof
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. Third-party 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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