SIEMENS

Data sheet

6GK5766-1GE00-7DA0

product type designation
product description



IWLAN Access Point

IWLAN Access Point, SCALANCE WAM766-1, 1 radio, 2.4/5 GHz, IEEE 802.11ax (Wi-Fi 6), 2 N-Connect connections, iFeatures support via CLP, 1201 Mbps (gross) per radio, 1x 10/100/1000 Mbps M12 socket, redundant 24 V DC, M12 L-coded , PoE, IP65, -30...+60 °C, CLP slot, DI/DO, A-coded, observe national approvals! Cert ID: MSAX65-W1-M12-E2, FCC ID: LYHMSAX65V1 operation outside of USA/Israel scope of delivery: sealing caps for connections

suitability for use	www.siemens.com/iwlan
transfer rate	
transfer rate	
with WLAN / maximum	1201 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/optical connections / for network components or terminal equipment / maximum / note	1
number of electrical/optical connections / for gigabit Ethernet / maximum	1
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 redundant voltage supply 	M12 interface (4-pin, L-coded)
memory	
design of the removable storage	
• CLP	Yes
CLP iFeatures	Yes
interfaces / wireless	
number of radio cards / permanently installed	2
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)	N-Connect (socket)
product feature / external antenna can be mounted directly on device	Yes
signal inputs/outputs	
number of digital inputs	1
number of digital outputs	1
type of electrical connection / at the digital inputs/outputs	M12 interface (4-pin, A-coded)
input voltage / at digital input / at DC	-30 +30 V
output voltage / at digital output / at DC / maximum	24 V; 0,5 A
operational current / of the signaling contacts / at DC / at 30 V /	0.008 A

maximum	
supply voltage, current consumption, power loss	
	Podundant 24 V/DC Dowor Supply M42 Londod
type of voltage / of the supply voltage	Redundant 24 V DC Power Supply, M12, L-coded
supply voltage	40.14
 from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af 	48 V
consumed current	
• at DC / at 24 V	0.55 A
at DC / at 24 V / sleep mode / maximum	0.013 A
with Power-over-Ethernet according to IEEE802.3at for	0.27 A
type 1 and IEEE802.3af / typical	
power loss [W]	
• at DC / at 24 V	13.2 W
 at DC / at 24 V / sleep mode / maximum 	0.3 W
 with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 	12.96 W
supply voltage / 1	
 from M12 power Connector (L-coded) for redundant voltage supply 	24 V
supply voltage / 1 / rated value	24 V
 type of voltage / 1 / of the supply voltage 	DC
supply voltage / 2	
 from M12 power Connector (L-coded) for redundant voltage supply 	24 V
supply voltage / 2 / rated value	24 V
• type of voltage / 2 / of the supply voltage	DC
supply voltage / 3 / rated value	48 V
 type of voltage / 3 / of the supply voltage 	DC, PoE
ambient conditions	
ambient temperature	
 during operation 	-30 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	90 %
protection class IP	IP65
design, dimensions and weights	
width	150 mm
height	179.5 mm
depth	45 mm
width / of the enclosure / without antenna	150 mm
height / of the enclosure / without antenna	179.5 mm
depth / of the enclosure / without antenna	45 mm
net weight	1.1 kg
fastening method	wall mounting and assembly on VESA support 75 x 75 mm, mounting on DIN rail with separate mounting adapter.
S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
35 mm DIN-rail mounting	Yes
wall mounting	Yes
VESA mounting	Yes; 75 x 75mm
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	Yes
product function / client Mode	Yes
number of SSIDs	8
product function	
iPCF Access Point	No
• iPCF-2 access point	Yes; iPCF-2 is not compatible with iPCF. See documentation for function description.

PCP-2 land Ves PCP-2 land Ves PCP-2 land Ves PCPLA Ves PCPLA Ves PCPLA Ves PCPLA Ves PCPLA Ves P	iPCF client	No
description. product functions / Inhangement, configuration, engineering number of management, configuration, engineering - CLI - Vest - Status - CLI - CLI - CLI - Status - Status - TRAP's vacantal - Configuration with STEP 7 - Configuration with STEP 7 in the TA Pontal - Configuration with STEP 7 in the TA Pontal - Configuration with STEP 7 in the TA Pontal - Configuration with STEP 7 in the TA Pontal - Configuration with STEP 7 in the TA Pontal - Configuration with STEP 7 in the TA Pontal - Configuration with STEP 7 in the TA Pontal - Configuration with STEP 7		Yes; iPCF-2 is not compatible with iPCF. See documentation for function
product functions / management. configuration, engineering 2 number of management 2 • Cul Yes • Null-based management Yes • Null-based management Yes • Null-based management Yes • Null-based management Yes • Cull yes Configuration with STEP 7 • configuration with STEP 7 in the TLA Portal Yes • configuration with STEP 7 Yes • Staff 7 Yes • Staff 7 Yes • Staff 7		description.
number of manageable P addresses / in client 2 product function		Yes
product function Yes • Cull Yes • Not-Speaked management Yes • Not-Speaked management Yes • Not-Speaked management Yes • TRAPA Ye denall Yes • configuration with STEP 7 is the TA Podal Yes • configuration with STEP 7 is the TA Podal Yes • configuration with STEP 7 is the TA Podal Yes • Configuration with STEP 7 is the TA Podal Yes • Configuration with STEP 7 is the TA Podal Yes • Configuration with STEP 7 is the TA Podal Yes • Configuration with STEP 7 is the TA Podal Yes • Configuration with STEP 7 is the TA Podal Yes • Configuration with STEP 7 Yes • Status Yes • S		
CLIYes• web-ased managementYes• Mild supportYes• Configuration with STEP 7Yes• configuration with STEP 7 in the TLA PortalYes• configuration with STEP 7 in the TLA PortalYes• WDSNo• Protect / is supportedYes• Address Resultation Protector (ARP)Yes• Address Resultation Protector (ARP)Yes• Address Resultation Protector (ARP)Yes• TITPYes• ITTPYes• ITTPYes• ITTPYes• ITTPYes• Ittel PointYes• SWAP V2Yes• SWAP V3Yes• SWAP V3Yes• SWAP V4Yes• SWAP V5Yes• SWAP V5Yes• Result Instance / InternationYes• SWAP V5Yes• SWAP V5Yes• SWAP V5Yes• SWAP V5Yes• SWAP V5Yes• SWA		2
• web-based managementYes• MB3 supportYes• Orafiguration with STEP 7Yes• configuration with STEP 7 in the TA PodalYes• wDSNo• protect / is supportedYes• Address Resolution Protocol (ARP)Yes• (Address Resolution Protocol (ARP)Yes• (Address Resolution Protocol (ARP)Yes• (TTPS)Yes• (TTPS)Yes• (TTPS)Yes• (TTPS)Yes• (LDP)Yes• (NDR)Yes• (NDR)Yes <td< td=""><td></td><td>N</td></td<>		N
NIB supportYes• TRAPs via emailYes• configuration with STEP 7Yes• configuration with STEP 7Yes• WDSNo• WDSNo• Problex 7/1 is supportedYes• Address Realition Protocol (ARP)Yes• CLAPYes• TrainedYes• TrainedYes• TTTPYes• TTTPYes• TTTPYes• TTTPYes• TTTPYes• TTTPYes• LLOPYes• LLOPYes• LEOPYes• RAM - Review-specific informationYes• SMMP YiYes• SMMP YiYes• SMMP YiYes• SMMP YiYes• SMMP YiYes• SMMP YiYes• SMMP Xi AmothemYes• SMMP		
• TRAPS via enail Yes • configuration with STEP 7 in the TLA Portal Yes • WDS No • Protect / is supported No • Address Resolution Protocol (ARP) Yes • CAP Yes • CAP Yes • Configuration with STEP 7 in the TLA Portal Yes • CAP Yes • CAP Yes • Configuration with STEP 7 Yes • CAP Yes • Configuration with STEP 7 Yes • The TP Yes • Configuration with STEP 7 Yes • Status - Reported Yes • Status - Reported function in the Signation Protocol (ARP) Yes • Status - Reported function on the Signation Protocol (ARP) Yes • Product function Yes Yes • Status - Signation Yes Yes • Status - Signation Yes Yes • Status - Signation Yes • Status - Signation		
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protocol / is supported Yes • LOMP Yes • COMP Yes • Telnet Yes • HTTPS Yes • HTTPS Yes • DCP Yes • LDP Yes • LDP Yes • IdMO - device-specific information Yes • Product function / supported / devinitation link Yes • Product function Yes • SNMP V1 Yes • SNMP V1 Yes • SNMP V2 Yes • SNMP V3 Yes product function Yes • SNMP V3 Yes product function Yes • SNMP V3 Yes product function Yes • Drodor / Instring Yes • SNMP V3 Yes product function Yes • SNMP V3 Yes product function Yes • Drodor / Incolon Yes • Drodor function Yes • Drodor function		
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i CMPYes• TeinetYes• HTTPYes• HTTPSYes• TTPPYes• LDPYes• LDPYes• ILDPYes• ILDPYes• ILDPYes• ILDPYes• ILDPYes• ILDPYes• IEMA - Infper Iver despination/coation designationYesproduct function / is supported / identification linkYes; acc. to IEC 61406-1:2022product functionYesproduct functionYes• PROFINET ID diagnosisYesproduct functionYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yesproduct functions / UANYesproduct functionYes• function VLAN with MULANYesproduct functions / UANYesproduct functions / UANYesproduct functions / DHCPYesproduct functions / DHCPYesproduct functions / DHCPYesproduct functions / PHCPYesproduct functions / PHCPYesproduct functions / PHCPYesproduct functions / PHCPYesproduct functions / ReportedYes• STPRSTPYes• RSTPYesproduct functions / securityYesproduct functions / securityYes• RSTPYes• RSTPYes• RSTPYes• RSTPYes• RSTPYes <tr< td=""><td></td><td>Vec</td></tr<>		Vec
• TalnetYes• HTTPYes• HTTPSYes• TFTPYes• CPYes• LLDPYes• Identification functionYes• Product function / lagnosisYes• PROFINET IO diagnosisYes• SNIP V3Yes• SNIP V3Yes• SNIP V3Yes• SNIP V3Yes• SNIP V3Yes• Unction / LAN with MUANYes• Unctions / VLANYes• Unctions / VLANYes• Unctions / VLANYes• Unctions / VLANYes• SNIP V3Yes• SNIP V3Yes• SNIP V3Yes• Unctions / VLANYes• Unctions / HCPYes• Product functions / HCPYes• Product functions / HCPYes• STP/RSTPYes• STP/RSTPYes• STP/RSTPYes• NoNo• NoNo• NoNo• NoNo• NoNo• NoYes• NoYes• NoYes• NoYes• NoYes• NoYes <t< td=""><td></td><td></td></t<>		
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• HTTPSYes• LTPPYes• LDPYes• LDPYesidentification & maintenance functionYes• IBM0 - device specific informationYes• IBM0 - device specific informationYes• IBM0 - device specific informationYesproduct function / is supported / identification linkYes; acc. to IEC 61406-1:2022product functions / supported / identification linkYes; acc. to IEC 61406-1:2022product functions / supported / identification linkYes; acc. to IEC 61406-1:2022product functions / supported / identification linkYes; acc. to IEC 61406-1:2022product functions / supported / identification linkYes; acc. to IEC 61406-1:2022product functionYes• PROFINET IO diagnosisYes• SNMP Y1Yes• SNMP Y2Yes• SNMP Y3Yesproduct functions / VLANYes• functions / VLANYes• functions / DHCPYesproduct functionYes• functions / DHCPYesproduct functionYes• NSTPYes• NSTPYes• NSTPYes• NSTPYes• NotionYes• RSTPYes• Notions / SupportedYes• No		
• TFTPYes• CCPYes• LDPYesidentification & maintenance functionYes• RM0 - device-specific informationYes• RM1 - higher tevel designation/ocalin designationYesproduct function / is supported / identification linkYes, acc, to IEC 61406-1:2022product function/ YesYesproduct functions / VLANYesproduct function/ Yesproduct function/ Yes• function VLAN with IWLANYes• function / VLANs / maximum24* product function/ Yes• DHCP clientYesproduct function/ Yes• SISTPYes• NSTPYes• NSTPYes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• redundancy procedure MSTPYes• NonYes• NonYes• NonYes• NonYes• No		
• DCP Yes • LDP Yes (itertification & naintenance function Yes • iBMO - device-specific information Yes product function / is supported Yes • iBMD v1 Yes • SNMP v2 Yes • SNMP v3 Yes product function Yes • function / UAN with IMUAN Yes • function VLAN with IMUAN Yes product functions Yes • ERFP Yes • extindancy procedure MSTP Yes • extindancy procedure MSTP <		
• LLDP Yes identification & maintenance function Yes • KMA - higher level designation/caction designation Yes product function / is supported / identification link Yes • PROFINET IO diagnosis Yes • Sylog Yes protocol / is supported / identification Yes • Sylog Yes • Sylog Yes protocol / is supported Yes • SNMP v2 Yes • SNMP v3 Yes protocol / is supported Yes • SNMP v3 Yes product function Yes • SNMP v3 Yes product functions / VLAN Yes • Ordice functions / VLAN Yes • Ordice functions / DHCP Yes product function 24 product functions / redundancy Yes product functions / redundancy Yes product function Yes • STPP Yes • STP Yes • MATOP / Streant/Y Yes		
identification & maintenance function Yes • I&MU - device-specific information Yes • IoWI - flipter level designation/location designation Yes product functions / diagnostics Yes protocol / is supported (sNMP v1 SNMP v1 SNMP v2 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v4 SNMP v3 SNMP v4 SNMP v3 SNMP v3 SNMP v4 SNMP v3 SNMP v3 SNMP v4 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v4 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v4 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3 SNMP v3		
• I&M0 - device-specific information Yes • I&M1 - higher level designation/location designation Yes product function / is supported Yes • PROFINET IO diagnosites Yes protocol / is supported Yes • SNMP v2 Yes • SNMP v3 Yes product functions / ULAN Yes product functions / VLAN Yes • SNMP v3 Yes product functions / VLAN Yes product function Yes • Strip Product functions / VLAN Yes product function Yes • STP/RSTP Yes product functions / redundancy Yes product functions / supported Yes • STP/RSTP Yes • RSTP Yes product function / supported Yes • RSTP Yes product function / supported Yes • STP/RSTP Yes • RSTP Yes product function / supported Yes • RODUCT function / supported Yes •		
• I&M1 - higher level designation/location designation Yes product function / is supported / identification link Yes; acc. to IEC 61406-1:2022 product functions / diagnostics Yes • FROFINET IO diagnostics Yes • SNMP v1 Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes product functions / VLNN Yes product functions / DHOP Yes product function Yes • STP/RSTP Yes • STP/RSTP Yes • STP/RSTP Yes • of truction Yes • of truction Yes • of truction / supported Yes • of truction Yes • of truction Yes • of truction Yes • of truction Yes • of truction / supported Yes • of Adol Unaccop Yes • of Adol Unaccop		Yes
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product functions / diagnostics product function • PROFINET IO diagnosis • Systog • Systog protocol / is supported • SNMP v1 • SNMP v2 • SNMP v3 Product functions • SNMP v3 Product functions / VLAN product functions / VLAN product functions / VLAN product functions / VLAN product functions / Security product functions / Security product functions • UPP Product functions • STP/RSTP • STP • STP/RSTP • STP • edundancy procedure MSTP Yes product function • etaundancy procedure MSTP Yes product function scording to IEEE802.11i • RADE sprotection according to IEEE802.11i • WPA3 Yes		
product function Yes • PROFINET IC diagnosis Yes • SysLog Yes protocol' is supported Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes product functions / VLAN Yes product function on • function VLAN wit IWLAN • function VLANs / maximum 24 product function • OHCP client product functions / redundancy Yes product function • STPP • SRTP Yes • MSTP Yes • MSTP Yes • RSTP Yes product function • Yes • MSTP Yes • RSTP Yes product function • Yes • MSTP Yes • MSTP Yes • MSTP Yes • NO • IEEE 802.11x (radius) • NAT/NAPT Yes • RAST Yes • RAST Yes • RADULUS client Yes •		103, 000. 10 10 0 1400-1.2022
• PROFINET IO diagnosis Yes • SysLog Yes protocol / is supported * • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes product functions / VLAN Yes product functions / VLAN Yes number of VLANs / maximum 24 product functions / DHCP * product functions / DHCP * product functions / DHCP * product functions / PHOP Yes • STP/RSTP Yes • MSTP Yes • STP/RSTP Yes • redundancy procedure MSTP Yes product function * • redundancy procedure MSTP Yes product function * • redundancy procedure MSTP Yes product function * • redundancy procedure MSTP Yes * * * * * * * * * * * * * * * * * * * * * * * * * <td< td=""><td></td><td></td></td<>		
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protocol / is supported Yes • SNMP v1 Yes • SNMP v2 Yes • SNMP v3 Yes product functions / VLAN Yes product functions / DHCP Yes product functions / DHCP Yes product functions / redundancy Yes product functions / redundancy Yes product function Yes • STP/RSTP Yes • RSTP Yes product function Yes • RSTP Yes product function Yes • redundancy procedure MSTP Yes • redundancy procedure MSTP Yes • redundancy procedure MSTP Yes <td>-</td> <td></td>	-	
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• SNMP v3 Yes product functions / VLAN product function • function VLAN with IWLAN Yes number of VLANs / maximum 24 product function product function Yes product functions / DHCP Yes product functions / redundancy Yes product functions / redundancy Yes product function Yes e STP/RSTP Yes • NSTP Yes • RSTP Yes product function Yes product function Yes • RSTP Yes product function Yes • RSTP Yes product function Yes • redundancy procedure MSTP Yes product function Yes • management security, ACL-IP based No • IEEE 802.1x (radius) Yes • NAT/NAPT Yes • access protection according to IEEE802.11i Yes • WPAWPA2 Yes • WPA3 Yes • TKIP/RAES Yes • RADIUS clent Yes • protocol / is supported Yes		
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product function Yes product functions / redundancy Protocol / is supported • STP/RSTP Yes • MSTP Yes • RSTP Yes • RSTP Yes product function Yes • RSTP Yes • RSTP Yes product function Yes • redundancy procedure MSTP Yes product function Yes • management security, ACL-IP based No • IEEE 802.1x (radius) Yes • NAT/NAPT Yes • access protection according to IEEE802.11i Yes • WPA3 Yes • WPA3 Yes • RADIUS client Yes • RADIUS client Yes • protocol / is supported Yes	number of VLANs / maximum	
product function Yes product functions / redundancy Protocol / is supported • STP/RSTP Yes • MSTP Yes • RSTP Yes • RSTP Yes product function Yes • RSTP Yes • RSTP Yes product function Yes • redundancy procedure MSTP Yes product function Yes • management security, ACL-IP based No • IEEE 802.1x (radius) Yes • NAT/NAPT Yes • access protection according to IEEE802.11i Yes • WPA3 Yes • WPA3 Yes • RADIUS client Yes • RADIUS client Yes • protocol / is supported Yes	product functions / DHCP	
product functions / redundancy protocol / is supported • STP/RSTP Yes • MSTP Yes • RSTP Yes product function Yes • redundancy procedure MSTP Yes product function Yes • interest security, ACL-IP based No • IEEE 802.1x (radius) Yes • NAT/NAPT Yes • access protection according to IEEE802.11i Yes • WPA3 Yes • WPA3 Yes • RADIUS client Yes protocol / is supported Yes	product function	
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protocol / is supported Yes • STP/RSTP Yes • MSTP Yes • RSTP Yes product function Yes • redundancy procedure MSTP Yes product functions / security Yes product function Yes • management security, ACL-IP based No • IEEE 802.1x (radius) Yes • NAT/NAPT Yes • access protection according to IEEE802.11i Yes • WPAWPA2 Yes • WPA3 Yes • TKIP/AES Yes • RADIUS client Yes protocol / is supported Yes	product functions / redundancy	
STP/RSTPYesMSTPYesRSTPYesproduct functionredundancy procedure MSTP• redundancy procedure MSTPYesproduct functions / securityYesproduct functions / securityYesin management security, ACL-IP basedNo• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA/WPA2Yes• WPA3Yes• TKIP/AESYes• RADIUS clientYes• protocol / is supportedYes		
• RSTP Yes product function Yes product functions / security Yes product function Ves product function Ves imanagement security, ACL-IP based No • IEEE 802.1x (radius) Yes • NAT/NAPT Yes • access protection according to IEEE802.11i Yes • WPAX Yes • WPA3 Yes • TKIP/AES Yes • RADIUS client Yes protocol / is supported Yes		Yes
product function Yes product functions / security Yes product function		
• redundancy procedure MSTPYesproduct functions / securityproduct function• management security, ACL-IP basedNo• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA3Yes• WPA3Yes• TKIP/AESYes• RADIUS clientYes• protocol / is supportedYes	• RSTP	Yes
• redundancy procedure MSTPYesproduct functions / securityproduct function• management security, ACL-IP basedNo• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA3Yes• WPA3Yes• TKIP/AESYes• RADIUS clientYes• protocol / is supportedYes		
product functions / security product function • management security, ACL-IP based • IEEE 802.1x (radius) Yes • NAT/NAPT • access protection according to IEEE802.11i Yes • WPA/WPA2 • WPA3 • TKIP/AES • RADIUS client Yes	-	Yes
.No• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA/WPA2Yes• WPA3Yes• TKIP/AESYes• RADIUS clientYes• protocol / is supportedYes	product functions / security	
• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA/WPA2Yes• WPA3Yes• TKIP/AESYes• RADIUS clientYes• protocol / is supportedYes	product function	
• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA2Yes• WPA3Yes• TKIP/AESYes• RADIUS clientYes• protocol / is supportedYes	 management security, ACL-IP based 	No
• access protection according to IEEE802.11iYes• WPA2Yes• WPA3Yes• TKIP/AESYes• RADIUS clientYes• protocol / is supportedYes	• IEEE 802.1x (radius)	Yes
• WPA/WPA2 Yes • WPA3 Yes • TKIP/AES Yes • RADIUS client Yes protocol / is supported Yes	• NAT/NAPT	Yes
• WPA3 Yes • TKIP/AES Yes • RADIUS client Yes • protocol / is supported Yes	 access protection according to IEEE802.11i 	Yes
TKIP/AES Yes RADIUS client Yes protocol / is supported	• WPA/WPA2	Yes
• RADIUS client Yes protocol / is supported	• WPA3	Yes
protocol / is supported	• TKIP/AES	Yes
	RADIUS client	Yes
• SSH Yes	protocol / is supported	
	• SSH	Yes

key length	
with SSL	4096 bit
product functions / time	
protocol / is supported	
• NTP	Yes
• SNTP	Yes
 SIMATIC time synchronization (SIMATIC Time) 	Yes
standards, specifications, approvals	
certificate of suitability	
 EC Declaration of Conformity 	Yes
CE marking	Yes
 E1 approval 	Yes
 Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af 	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
• IEEE 802.11ac	Yes
• IEEE 802.11ax	Yes
• IEEE 802.11r	Yes
wireless approval	You will find the current list of countries at: www.siemens.com/wireless- approvals or directly on the device
MTBF	24 a
reference temperature	40 °C
reference code	
• according to IEC 81346-2:2019	KFE
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN IEC 60079-0 : 2018, EN60079-7:2015 + A1 : 2018; II 3 G Ex ec IIC T4 Gc
• from CSA and UL	UL121201, CAN/CSA C22.2 No.213, Cl. 1, div. 2, GP. A, B, C, D, T4 / Cl. 1, Zone 2, GP IIC T4, UL File E240480
standards, specifications, approvals / Environmental Product De	eclaration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	394.89 kg
 during manufacturing 	33.7 kg
during operation	361 kg
• after end of life	0.19 kg
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
 to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
 to web page: WLAN country approval 	https://www.siemens.com/wireless-approvals
• to the website: IWLAN	https://www.siemens.com/iwlan
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://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 cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a concetion is

necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

pprovals / Certificat		_		_	For use in hazard-
General Product A	pproval				ous locations
CE EG-Konf.	Declaration of Con- formity	EHC	Manufacturer Declara- tion	RCM	IECEx
For use in hazardous locations		Radio Equipment Type Approval Certificate		Environment	
K ATEX	<u>CCC-Ex</u>		<u>Miscellaneous</u>	KC	<u>Confirmation</u>
Environment					
EPD					
last modified:		2/8/	/2025 🖸		