SIEMENS

Data sheet

6GK5766-1GE00-3DB0

product type designation

product description



IWLAN client module

IWLAN client, SCALANCE WUM766-1 1 radio, 2.4/5 GHz, 2 N-Connect connections, iFeatures support via CLP, IEEE 802.11ax (Wi-Fi 6), 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, FCCID: LYHMSAX65V1, operation in the USA, 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

supply voltage / of the supply voltage supply voltage/supply supply voltage supply voltage/supply supply voltage/supply supply voltage supply voltage/supply supply voltage/supply supply voltage supply voltage/supply supply voltage supply voltage/supply supply voltage supply voltage/supply supply voltage supply voltage/supply supply voltage/supply supply voltage/supply voltage/supply supply su	maximum	
spec of voltage / of the supply voltage sply voltage / of the supply voltage sply voltage / or any specific of the supply voltage / or any specific or any spe	supply voltage, current consumption, power loss	
supply voltage / 2 rated value supply voltage / 3 rated value supply voltage / 4 rated value supply voltage / 5 rated value supply voltage / 5 rated value supply voltage / 5 rated value supply voltage / 3 rated value supply voltage / 5 rated value supply voltage / 6 rated value supply voltage / 7 rated value / 7 rate		Redundant 24 V DC Power Supply, M12, L-coded
From Power-we-Effender according to IEEE802 3 at for yiph at and IEEE802 3 at for yiph at and IEEE802 3 at for at V 0.55 A 0.013 A		
	from Power-over-Ethernet according to IEEE802.3at for	48 V
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author Power over-Ethernet according to IEEE802.3st for Syne 1 and IEE802.3st for IEE80	power loss [W]	
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	▼ II OI -2 access politi	

• iPCE alignt	No
iPCF clientiPCF-2 client	No Yes; iPCF-2 is not compatible with iPCF. See documentation for function
● IF OF-2 CIICIIL	description.
product function / iPRP	Yes
product functions / management, configuration, engineering	
number of manageable IP addresses / in client	2
product function	
• CLI	Yes
• web-based management	Yes
MIB support	Yes
TRAPs via email	Yes
• configuration with STEP 7	Yes
• configuration with STEP 7 in the TIA Portal	Yes
• WDS	No
protocol / is supported	
 Address Resolution Protocol (ARP) 	Yes
• ICMP	Yes
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• DCP	Yes
• LLDP	Yes
identification & maintenance function	
• I&M0 - device-specific information	Yes
I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function	
PROFINET IO diagnosis	Yes
• SysLog	Yes
protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
product functions / VLAN	
product function	
• function VLAN with IWLAN	Yes
number of VLANs / maximum	24
product functions / DHCP	
product function	
DHCP client	Yes
product functions / redundancy	
protocol / is supported	
• STP/RSTP	Yes
• MSTP	Yes
• RSTP	Yes
product function	
redundancy procedure MSTP	Yes
product functions / security	
product function	
management security, ACL-IP based	No
• IEEE 802.1x (radius)	Yes
NAT/NAPT	Yes
access protection according to IEEE802.11i	Yes
WPA/WPA2	Yes
• WPA3	Yes
• TKIP/AES	Yes
RADIUS client	Yes
protocol / is supported	
• SSH	Yes
key length	
, · · · · · · · · · · · · · · · · · · ·	

4096 bit
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
You will find the current list of countries at: www.siemens.com/wireless-approvals or directly on the device
24 a
40 °C
EN IEC 60079-0 : 2018, EN60079-7:2015 + A1 : 2018; II 3 G Ex ec IIC T4 Gc
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
eclaration
Yes
449.9 kg
36.41 kg
413.31 kg
0.18 kg
https://www.siemens.com/wireless-approvals
https://sieportal.siemens.com/
https://www.automation.siemens.com/bilddb
https://support.industry.siemens.com
Siemens provides products and solutions with industrial cybersecurity functions
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Approvals / Certificates Radio Equipment Type Approval Certificate **General Product Approval** For use in hazardous locations **Environment**

Manufacturer Declara-<u>tion</u>

Declaration of Conformity

CCC-Ex



Miscellaneous

Confirmation

Environment



last modified:

6/3/2024