

product type designation

product description



IWLAN Access Point

IWLAN access point, SCALANCE WAM763-1, 1 radio, 2.4/5 GHz, IEEE 802.11ax (Wi-Fi 6), 2 R-SMA connections, iFeatures support via CLP, 1201 Mbps (gross) 4x10/100/1000 Mbps RJ45 ports, redundant 24 V DC, terminal block, IP30, -30..+60°C, CLP slot, DI/DO, terminal block, observe national approvals! CERT ID: MSAX-W1-RJ-E2 FCC ID: LYHMSAXV1 operation outside of USA/Israel scope of delivery: cover CLP slot, covers antenna connections, 3x terminal block

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 gigabit Ethernet / maximum	4
number of electrical connections	
• for network components or terminal equipment	4
• for power supply	1
• for redundant voltage supply	1
type of electrical connection	
• for network components or terminal equipment	RJ45 socket
• for power supply	5-pole terminal block
design of the removable storage	
• CLP	Yes
• CLP iFeatures	Yes

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)	R-SMA (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	2-pole terminal block in each case
signal range / at digital input	-30 V DC 30 V
signal range / at digital output	24 V / 0.5 A DC
operational current / of the signaling contacts / at DC / at 30 V /	0.008 A

maximum	
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	redundant power supply, 24 V DC, 5-pole terminal block
consumed current	
• at DC / at 24 V	0.55 A
• at DC / at 24 V / sleep mode / maximum	0.013 A
power loss [W]	
• at DC / at 24 V	13.2 W
• at DC / at 24 V / sleep mode / maximum	0.3 W
supply voltage / 1 / rated value	24 V
• type of voltage / 1 / of the supply voltage	DC
supply voltage / 2 / rated value	24 V
• type of voltage / 2 / of the supply voltage	DC
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	IP30
design, dimensions and weights	
width	35 mm
height	157 mm
depth	137 mm
width / of the enclosure / without antenna	35 mm
height / of the enclosure / without antenna	152.5 mm
depth / of the enclosure / without antenna	137 mm
net weight	0.65 kg
fastening method	wall mounting, DIN rail, mounting rail S7-300, mounting rail S7-1500, with adapter: 90° installation on DIN rail
• 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 / general	
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.
• iPCF client	No
• iPCF-2 client	Yes; iPCF-2 is not compatible with iPCF. See documentation for function 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	

<ul style="list-style-type: none"> • Address Resolution Protocol (ARP) • ICMP • Telnet • HTTP • HTTPS • TFTP • DCP • LLDP 	Yes Yes Yes Yes Yes Yes Yes Yes
identification & maintenance function <ul style="list-style-type: none"> • I&M0 - device-specific information • I&M1 - higher level designation/location designation 	Yes Yes
product functions / diagnostics	
product function <ul style="list-style-type: none"> • PROFINET IO diagnosis • SysLog 	Yes Yes
protocol / is supported <ul style="list-style-type: none"> • SNMP v1 • SNMP v2 • SNMP v3 	Yes Yes Yes
product functions / VLAN	
product function <ul style="list-style-type: none"> • function VLAN with IWLAN 	Yes
number of VLANs / maximum	24
product functions / DHCP	
product function <ul style="list-style-type: none"> • DHCP client 	Yes
product functions / redundancy	
protocol / is supported <ul style="list-style-type: none"> • STP/RSTP • MSTP • RSTP 	Yes Yes Yes
product function <ul style="list-style-type: none"> • redundancy procedure MSTP 	Yes
product functions / security	
product function <ul style="list-style-type: none"> • management security, ACL-IP based • IEEE 802.1x (radius) • NAT/NAPT • access protection according to IEEE802.11i • WPA/WPA2 • WPA3 • TKIP/AES • RADIUS client 	No Yes Yes Yes Yes Yes Yes Yes
protocol / is supported <ul style="list-style-type: none"> • SSH 	Yes
key length <ul style="list-style-type: none"> • with SSL 	4096 bit
product functions / time	
protocol / is supported <ul style="list-style-type: none"> • NTP • SNTP • SIMATIC time synchronization (SIMATIC Time) 	Yes Yes Yes
standards, specifications, approvals	
certificate of suitability <ul style="list-style-type: none"> • EC Declaration of Conformity • CE marking 	Yes Yes
standard for wireless communication <ul style="list-style-type: none"> • IEEE 802.11a • IEEE 802.11b • IEEE 802.11e 	Yes Yes 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
MTBF	26 a
• reference temperature	40 °C
further information / internet links	
internet link	
• to website: TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to the website: IWLAN	http://www.siemens.com/iwlan
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAX-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	<p>Siemens provides products and solutions with industrial security 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 security 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 connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. 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 Security RSS Feed under https://www.siemens.com/cert. (V4.6)</p>

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