

product type designation

product description



WAM763-1

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 for operation in the USA scope of delivery: cover CLP slot, covers antenna connections, 3x terminal block

Technical Product Detail Page

<https://l.siemens.com/1P6GK5763-1AL00-7DB0>

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 |

interfaces

number of electrical/optical connections / for network components or terminal equipment / maximum / note	4
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

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
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 / maximum	0.008 A

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
supply voltage / 2 / rated value	24 V
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 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	
• Address Resolution Protocol (ARP)	Yes

<ul style="list-style-type: none"> • ICMP 	Yes
<ul style="list-style-type: none"> • Telnet 	Yes
<ul style="list-style-type: none"> • HTTP 	Yes
<ul style="list-style-type: none"> • HTTPS 	Yes
<ul style="list-style-type: none"> • TFTP 	Yes
<ul style="list-style-type: none"> • DCP 	Yes
<ul style="list-style-type: none"> • LLDP 	Yes
identification & maintenance function	
<ul style="list-style-type: none"> • I&M0 - device-specific information 	Yes
<ul style="list-style-type: none"> • I&M1 - higher level designation/location designation 	Yes
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
product functions / diagnostics	
product function	
<ul style="list-style-type: none"> • PROFINET IO diagnosis 	Yes
<ul style="list-style-type: none"> • SysLog 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • SNMP v1 	Yes
<ul style="list-style-type: none"> • SNMP v2 	Yes
<ul style="list-style-type: none"> • SNMP v3 	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 	Yes
<ul style="list-style-type: none"> • MSTP 	Yes
<ul style="list-style-type: none"> • RSTP 	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 	No
<ul style="list-style-type: none"> • IEEE 802.1x (radius) 	Yes
<ul style="list-style-type: none"> • NAT/NAPT 	Yes
<ul style="list-style-type: none"> • access protection according to IEEE802.11i 	Yes
<ul style="list-style-type: none"> • WPA/WPA2 	Yes
<ul style="list-style-type: none"> • WPA3 	Yes
<ul style="list-style-type: none"> • TKIP/AES 	Yes
<ul style="list-style-type: none"> • RADIUS client 	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 	Yes
<ul style="list-style-type: none"> • SNTP 	Yes
<ul style="list-style-type: none"> • SIMATIC time synchronization (SIMATIC Time) 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • EC Declaration of Conformity 	Yes
<ul style="list-style-type: none"> • CE marking 	Yes
standard for wireless communication	
<ul style="list-style-type: none"> • 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
MTBF	26 a
• reference temperature	40 °C

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	390.86 kg
• during manufacturing	29.7 kg
• during operation	361 kg
• after end of life	0.16 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 connection 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)
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Approvals / Certificates

General Product Approval	For use in hazardous locations	Radio Equipment Type Approval Certificate
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[China RoHS](#)



[CCC-Ex](#)



[Miscellaneous](#)

Radio Equipment Type Approval Certificate	Environment
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[ECC](#)



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