

### product type designation

product description



IWLAN client module with DI/DO

IWLAN client, with DI/DO SCALANCE WUM763-1, 1 radio, 2.4/5 GHz, 2 R-SMA connections, iFeatures support via CLP, IEEE 802.11ax (Wi-Fi 6), 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

suitability for use

[www.siemens.com/iwlan](http://www.siemens.com/iwlan)

### transfer rate

transfer rate

- with WLAN / maximum
- for Industrial Ethernet

1201 Mbit/s  
10, 100, 1000 Mbit/s

transfer rate / for Industrial Ethernet

- minimum
- maximum

10 Mbit/s  
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
- for power supply
- for redundant voltage supply

4  
1  
1

type of electrical connection

- for network components or terminal equipment
- for power supply

RJ45 socket  
5-pole terminal block

### memory

design of the removable storage

- CLP
- CLP iFeatures

Yes  
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  |  |
| <b>supply voltage, current consumption, power loss</b>                           |  |
| 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  |
| <b>supply voltage / 1 / rated value</b>  | 24 V   |
| • type of voltage / 1 / of the supply voltage                                    | DC   |
| <b>supply voltage / 2 / rated value</b>  | 24 V   |
| • type of voltage / 2 / of the supply voltage                                    | DC   |
| <b>ambient conditions</b>  |  |
| 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   |
| <b>design, dimensions and weights</b>  |  |
| 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  |
| <b>radio frequencies</b>   |  |
| 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  |
| <b>product features, product functions, product components / general</b>         |  |
| product function / Access Point Mode   | No   |
| product function / client Mode   | Yes  |
| number of SSIDs  | 1  |
| 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  |
| <b>product functions / management, configuration, engineering</b>                |  |
| 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      |
| <b>product functions / diagnostics</b>                 |          |
| product function                                       |          |
| • PROFINET IO diagnosis                                | Yes      |
| • SysLog   | Yes      |
| protocol / is supported                                |          |
| • SNMP v1  | Yes      |
| • SNMP v2  | Yes      |
| • SNMP v3  | Yes      |
| <b>product functions / VLAN</b>                        |          |
| product function                                       |          |
| • function VLAN with IWLAN                             | Yes      |
| number of VLANs / maximum                              | 24       |
| <b>product functions / DHCP</b>                        |          |
| product function                                       |          |
| • DHCP client  | Yes      |
| <b>product functions / redundancy</b>                  |          |
| protocol / is supported                                |          |
| • STP/RSTP   | Yes      |
| • MSTP   | Yes      |
| • RSTP   | Yes      |
| product function                                       |          |
| • redundancy procedure MSTP                            | Yes      |
| <b>product functions / security</b>                    |          |
| 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   |          |
| • with SSL   | 4096 bit |
| <b>product functions / time</b>                        |          |
| protocol / is supported                                |          |
| • NTP  | Yes      |
| • SNTP   | Yes      |
| • SIMATIC time synchronization (SIMATIC Time)          | Yes      |
| <b>standards, specifications, approvals</b>            |          |
| certificate of suitability                             |          |
| • EC Declaration of Conformity                         | Yes      |
| • CE marking   | 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   |
| MTBF                    | 26 a  |
| • reference temperature | 40 °C |

**further information / internet links**

|   |   |
|---|---|
| internet link                                   |   |
| • to website: TIA Selection Tool                | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>   |
| • to web page: selection aid TIA Selection Tool | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>   |
| • to the website: IWLAN                         | <a href="http://www.siemens.com/iwlan">http://www.siemens.com/iwlan</a>                             |
| • to website: Industry Mall                     | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| • to website: Information and Download Center   | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| • to website: Image database                    | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| • to website: CAx-Download-Manager              | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| • to website: Industry Online Support           | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |

**security information**

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| 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 <a href="http://www.siemens.com/industrialsecurity">http://www.siemens.com/industrialsecurity</a> . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <a href="http://support.automation.siemens.com">http://support.automation.siemens.com</a> . (V3.4) |
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