SIEMENS

## Data sheet 6GK5763-1AL00-3AB0

| | |
|---|---|
| **product type designation** | **WUM763-1** |
| product description | IWLAN client module |



IWLAN client, SCALANCE WUM763-1, 1 radio, 2.4/5GHz 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 observe national approvals! CERT ID: MSAX-W1-RJ-E2-NO FCC ID: LYHMSAXV1 for operation in the USA scope of supply: cover CLP slot, covers antenna connections, 1x terminal block.

| | |
|---|---|
| product brand name | SCALANCE |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5763-1AL00-3AB0 |
| 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 | 0 |
| number of digital outputs | 0 |
| **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 |


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| | |
|---|---|
| ● 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 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 | 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 |
| **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 |


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|---|---|
| ● 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 function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| **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 | |
| ● 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 |
| standard for wireless communication | |
| ● IEEE 802.11a | Yes |
| ● IEEE 802.11b | Yes |
| ● IEEE 802.11e | Yes |


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| | |
|---|---|
| ● 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) |

## Approvals / Certificates

| General Product Approval | | For use in hazardous locations | | |
|---|---|---|---|---|
| Miscellaneous | China RoHS | ATEX | IECEx | CCC-Ex |

| Radio Equipment Type Approval Certificate | | Environment |
|---|---|---|
| Miscellaneous | FCC | EPD |


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