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Data sheet 6GK5762-1AJ00-6AA0

product type designation	**WAB762-1**
product description	IWLAN Access Point



IWLAN access point, SCALANCE WAB762-1 1 radio, 1 R-SMA antenna port, IEEE 802.11ax, 2.4/5 GHz, gross data rate 601 Mbps, 1x RJ45 max. 1000 Mbps, 24 V DC, joint block, IP20, 0... +55 °C, WPA3, observe national approvals! CERT ID: ELAX-W1-RJ-E1, scope of supply: safety instructions German/English, 1x joint block, for operation outside of USA/Israel

product brand name	SCALANCE
Technical Product Detail Page	https://i.siemens.com/1P6GK5762-1AJ00-6AA0
suitability for use	www.siemens.com/iwlan
transfer rate	
transfer rate	
● with WLAN / maximum	601 Mbit/s
● for Industrial Ethernet	10, 100, 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	0
type of electrical connection	
● for network components or terminal equipment	RJ45 socket
● for power supply	3-pole terminal block
memory	
design of the removable storage	
● CLP	No
● CLP iFeatures	No
interfaces / wireless	
number of radio cards / permanently installed	1
transmission mode / for multiple input multiple output (MIMO)	1x1
number of spatial streams	1
number of electrical connections / for external antenna(s)	1
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	0.4 A

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● at DC / at 24 V / typical	0.2 A
power loss [W]	
● at DC / at 24 V	8 W
● at DC / at 24 V / typical	4.8 W
supply voltage / 1 / rated value	24 V
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● type of voltage / 1 / of the supply voltage	DC
ambient conditions	
ambient temperature	
● during operation	0 ... 55 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
width	50 mm
height	114 mm
depth	74 mm
width / of the enclosure / without antenna	50 mm
height / of the enclosure / without antenna	114 mm
depth / of the enclosure / without antenna	74 mm
net weight	0.145 kg
fastening method	35mm DIN rail mounting
● S7-300 rail mounting	No
● S7-1500 rail mounting	No
● 35 mm DIN-rail mounting	Yes
● wall mounting	No
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
product function	
● iPCF Access Point	No; iPCF-2 is not compatible with iPCF. See documentation for function description.
● 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.
● iPCF-MC Access Point	No
product function / iPRP	Yes
product functions / management, configuration, engineering	
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

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● 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
● IEEE 802.11g	Yes
● IEEE 802.11h	Yes

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● IEEE 802.11i	Yes
● IEEE 802.11n	Yes
● IEEE 802.11ac	Yes
● IEEE 802.11ax	Yes
● IEEE 802.11r	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	
● from CSA and UL	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
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	174.6696 kg
● during manufacturing	10.4 kg
● during operation	164 kg
● after end of life	0.173 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








Type Examination Certificate

Miscellaneous

General Product Approval			Radio Equipment Type Approval Certificate	
China RoHS			Miscellaneous	Miscellaneous 

Radio Equipment Type Approval Certificate	Environment

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Miscellaneous

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