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Product data sheet 6GK5721-1FC00-0AA0

Product-type designation	SCALANCE W721-1 RJ45
	IWLAN CLIENT, SCALANCE W721-1 RJ45, FOR USE OUTSIDE OF USA, 1 RADIO, 1 R-SMA ANT. CONNECT., IEEE 802.11A/B/G/H/N, 2.4/5GHZ, BRUTTO DATA RATE 150 MBIT/S, 1 X RJ45 (MAX. 100 MBIT/S), 1X24VDC, IP20, PLEASE NOTE NATIONAL APPROVALS. SCOPE OF SUPPLY: MANUALS ON CD ROM, GERMAN / ENGLISH, 1 X TERMINAL BLOCK

Transmission rate	
Transmission rate	
• with W-LAN / maximum	150 Mbit/s
• with Industrial Ethernet	10 … 100 Mbit/s
Interfaces	
Number of electrical connections	
• for network components and terminal equipment	1
• for power supply	1
• for redundant power supply	0
Design of the electrical connection	
• for network components and terminal equipment	RJ45 socket
• for power supply	3-pole screw terminal
Version of the swap medium	
• C-PLUG	No
• KEY-PLUG	No
Number of radio cards / permanently installed	1
Number of electrical connections / for external antenna(s)	1
Design of the electrical connection / for external antenna(s)	R-SMA (socket)
Product property / external antenna can be mounted directly on device	Yes

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Supply voltage, current consumption, power loss	
Type of / supply voltage	DC
Supply voltage	
• 1 / from terminal block	19.2 V
• 2 / from terminal block	28.8 V
Current consumed	
• at 24 V / with DC / typical	0.15 A
Active power loss	
• at 24V / for DC / typical	3.6 W
Permitted ambient conditions	
Ambient temperature	
• during operating	0 … 55 °C
• during storage	-40 … +85 °C
• during transport	-40 … +85 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Protection class IP	IP20
Design, dimensions and weight	
Width / of enclosure / without antenna	50 mm
Height / of enclosure / without antenna	114 mm
Depth / of enclosure / without antenna	74 mm
Net weight	0.13 kg
Mounting type	
• S7-300 rail mounting	No
• S7-1500 rail mounting	No
• wall mounting	No
Wireless frequencies	
Radio frequency	
• for WLAN in 2.4 GHz frequency band	2.41 … 2.48 GHz
• for WLAN in 5 GHz frequency band	4.9 … 5.8 GHz
Product properties, functions, components / general	
Product function	
• Access Point Mode	No
• Client Mode	Yes
Product function	
• Dual Client	No
Product functions / management, configuration	
Number of manageable IP addresses / in client	4
Product function	
• CLI	Yes

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• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• Configuration with STEP 7	No
• configuration with STEP 7 in the TIA Portal	No
• forced roaming with IWLAN	No
• WDS	No
Protocol / is supported	
• Address Resolution Protocol (ARP)	Yes
• ICMP	Yes
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• DCP	Yes
• LLDP	No
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher level designation/location designation	Yes
Product functions / Diagnosis	
Product function	
• PROFINET IO diagnosis	No
• Link Check	No
• connection monitoring IP-Alive	No
• localization via Aeroscout	No
• SysLog	Yes
Product functions / VLAN	
Product function / function VLAN with IWLAN	No
Product functions / DHCP	
Product function / DHCP client	Yes
Product function / in Client Mode / DHCP server via LAN	No
Product functions / Security	
Product function	
• ACL - MAC-based	No
• Management security, ACL-IP based	Yes
• IEEE 802.1x (radius)	Yes

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• NAT/NAPT	No
• access protection according to IEEE802.11i	Yes
• WPA/WPA2	Yes
• TKIP/AES	Yes
Protocol / is supported / SSH	Yes
Product functions / Time	
Protocol / is supported / SNTP	Yes
Standards, specifications, approvals	
Standard	
• for hazardous zone	in preparation
Verification of suitability	
• CE mark	Yes
• EC declaration of conformity	Yes
• C-Tick	Yes
• Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af	No
• Power-over-Ethernet according to IEEE802.3at for type 2	No
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
Wireless approval	You will find the current list of countries at: www.siemens.de/funkzulassungen
Accessories	
Accessories	24 V DC screw terminal included in scope of delivery
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