SIEMENS

Data sheet

6GK5774-1FX00-0AA0



IWLAN Access Point, SCALANCE W774-1 RJ45, 1 radio, 2 R-SMA antenna port, iFeatures support via key plug, IEEE 802.11a/b/g/h/n, 2.4/5GHz, gross data rate 300 Mbit/s, 2x RJ45 max. 100 Mbit/s, PoE integrated 2-port switch, redundant 24 V DC, terminal block, IP30, -20... 60 °C, plug slot WPA2/802.11i/e, observe national approvals! CERT ID: MSN-W1-RJ-E2, scope of delivery: Manuals on CD-ROM, German/English, 1x terminal block; for operation outside of USA/Israel

Transfer rate	
Transfer rate	
 with WLAN / maximum 	300 Mbit/s
 for Industrial Ethernet 	10, 100 Mbit/s
Transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	100 Mbit/s
Interfaces	
Number of electrical connections	
 for network components or terminal equipment 	2
• for power supply	1
 for redundant voltage supply 	1
Type of electrical connection	
 for network components or terminal equipment 	RJ45 socket
 for power supply 	4-pole screw terminal, PoE
design of the removable storage	
• C-PLUG	Yes
• KEY-PLUG	Yes

Number of radio cards / permanently installed 1 Transmission mode / for multiple input multiple output (MIMO) 2x2 Number of selatilistreams 2 Number of selatical connections / for external antenna(s) 2 Type of electrical connections / for external antenna(s) 2 Type of electrical connections / for external antenna can be mounted directly on device 2 Supply voltage. DC Supply voltage / 1 0 • from terminal block 19.2 V Supply voltage / 2 0 • from terminal block 28.8 V Supply voltage 0 Supply voltage / 2 48 V • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af 0.25 A • au DC / at 24 V / typical 0.25 A • au DC / at 24 V / typical 0.25 A • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W • auting capsort -40 +60 °C • during operation -20 +60 °C • during storage -40 +85 °C • during storage -40 +85 °C • during storage -40 +85 °C • during storage <th>Interfaces / wireless</th> <th></th>	Interfaces / wireless		
(MIMO) 2 Number of spelial streams 2 antenna(s) 2 Type of electrical connections / for external antenna(s) R-SMA (socket) Product feature / external antenna can be mounted directly on device Yes Supply voltage / 1 Yes • from terminal block 19.2 V Supply voltage / 1 19.2 V • from terminal block 19.2 V Supply voltage / 2 • from terminal block • from terminal block 28.8 V Supply voltage / 2 • from terminal block • from terminal block 28.8 V Supply voltage / 1 0.25 A • from terminal block 0.25 A • at D C / at 24 V / typical 0.25 A • at D C / at 24 V / typical 6 W • at D C / at 24 V / typical 6 W • at D C / at 24 V / typical 6 W • at D C / at 24 V / typical 6 W • at D / at 24 V / typical 6 W • during operation -20 +60 °C • during operation -20 +60 °C • during operation -20 +60 °C • during operation -20		1	
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 Supply voltage / of the supply voltage DC Supply voltage / of the supply voltage DC Supply voltage / 1 • form terminal block * form terminal block 19.2 V Supply voltage / 2 • form terminal block * form Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af 48 V Consumed current 0.25 A • with Power-over-Ethernet according to IEEE802.3af to type 1 and IEEE802.3af / typical 0.25 A Power loss [W] • at DC / at 24 V / typical 6 W • with Power-over-Ethernet according to IEEE802.3af / typical 6 W Power loss [W] • at DC / at 24 V / typical 6 W • with power-over-Ethernet according to IEEE802.3af / typical 6 W 9 W • at DC / at 24 V / typical 6 W 9 W 9 W • at ing operature • during operature • 40 +85 °C 9 M • during operature • 40 +85 °C 9 % 97 % When used under hazardous co		2x2	
antenna(s)R-SMA (socket)Type of electrical connection / for external antenna can be mounted directly on deviceYesSupply voltage, current consumption, power lossType of voltage / of the supply voltageDCSupply voltage / 119.2 V• from terminal block19.2 VSupply voltage / 2•• from terminal block28.8 VSupply voltage2• from terminal block28.8 VSupply voltage0.25 A• from Power-over-Ethernet acc. to IEEE802.3af0.25 AConsumed current0.25 A• at DC / at 24 V / typical0.25 A• with Power-over-Ethernet according to IEEE802.3af to type 1 and IEEE802.3af / typicalPower loss [W]• at DC / at 24 V / typical• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 24 V / typical6 W• at DC / at 25 Y / typical6 W• at DC / at 25 Y / typical6 W• at DC / at 26 Y / typical7 %• at DC / at 27 Y / typical6 W• at DC / at 28 Y / typical7 %• at DC / at 24 Y / typical7 %• at DC / at 24 Y / typical7 %• at DC / at 26 Y / typical7 %• at DC / at 27 Y / typical7 %	Number of spatial streams	2	
Product feature / external antenna can be mounted directly on device Yes Supply voltage, current consumption, power loss Image: consumption, power loss Supply voltage / 1 • from terminal block • from terminal block 19.2 V Supply voltage / 2 • from terminal block • from terminal block 28.8 V Supply voltage / 2 • from terminal block • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af 48 V Consumed current 0.25 A • at DC / at 24 V / typical 0.125 A IEEE802.3at for type 1 and IEEE802.3af / typical 6 W Power-loss [W] • at DC / at 24 V / typical 6 W • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W Multiple etables • at DC / at 24 V / typical 6 W • during operation -20 +60 °C -40 +85 °C • during storage -40 +85 °C -40 +85 °C • during transport -40 +85 °C -40 +85 °C • during operation / maximum 97 % Ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W74-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529, IP 30 </td <td></td> <td>2</td>		2	
directly on device Supply voltage, current consumption, power loss Type of voltage / of the supply voltage DC Supply voltage / 1 • from terminal block Supply voltage / 2 • from terminal block 9 from terminal block 28.8 V Supply voltage 48 V • from terminal block 25.4 V Supply voltage 48 V • from terminal block 0.25 A 0.125 A 0.125 A IEEE802.3at for type 1 and IEEE802.3af (bypical 0.125 A • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af (bypical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at DC / at 24 V / typical 6 W • at thereperature -40 +85 °C • during transport -40 +85 °C Relative humidity / at 25 °C / without condensation / during operation 97 % Ambient condition / for operation When used	Type of electrical connection / for external antenna(s)	R-SMA (socket)	
Type of voltage / of the supply voltage DC Supply voltage / 1 • from terminal block 19.2 V Supply voltage / 2 • form terminal block 28.8 V Supply voltage • form Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af 48 V Consumed current 0.25 A • at DC / at 24 V / typical 0.25 A • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 0.125 A Power loss [W] • at DC / at 24 V / typical 6 W • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W • at DC / at 24 V / typical 6 W • during operation -20 +60 °C • during storage -40 +85 °C • during operation -20 '' +60 °C • during operation / during operation / during operation / maximum -20 '' +60 °C Ambient conditions / Andient condition / for operation / during operation / maximum 97 % Motient condition / for operation 97 % Protection class IP IP30 Protection class IP IP30 Widh 26 mm Height 156 mm		Yes	
Supply voltage / 1 19.2 V Supply voltage / 2 28.8 V • from terminal block 28.8 V Supply voltage 48 V • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af 48 V Consumed current 0.25 A • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 0.125 A Power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical 6 W • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W Power loss [W] • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W Ambient conditions -20 +60 °C Auning storage -40 +85 °C • during operation -40 +85 °C • during transport 97 % Ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 proto21, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. Protection class IP IP30 Posign, dimensions and weights 26 mm Height 156 mm	Supply voltage, current consumption, power loss		
• from terminal block 19.2 V Supply voltage / 2 28.8 V • from terminal block 28.8 V Supply voltage 48 V • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE80	Type of voltage / of the supply voltage	DC	
Supply voltage / 2 28.8 V • from terminal block 28.8 V Supply voltage 48 V • from Power-over-Ethernet acc. to IEEE802.3at 48 V Consumed current 0.25 A • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at / typical 0.125 A Power loss [W] • at DC / at 24 V / typical 6 W • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W Ambient conditions -20 +60 °C Ambient temperature -40 +85 °C • during operation -20 +60 °C • during transport 40 +85 °C Protection / for operation 97 % Mohent condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. Protection class IP IP30 Posign. dimensions and weights 26 mm Width 26 mm	Supply voltage / 1		
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 from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af Consumed current at DC / at 24 V / typical 0.25 A with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical Power loss [W] at DC / at 24 V / typical 0.125 A Power loss [W] at DC / at 24 V / typical W with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical Ambient conditions Ambient temperature during operation -20 +60 °C -40 +85 °C during transport -40 +85 °C Relative humidity / at 25 °C / without condensation / during operation / maximum Ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. Protection class IP IP30 Posign, dimensions and weights Width 26 mm Height 156 mm	 from terminal block 	28.8 V	
for type 1 and IEEE802.3af Consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical Power loss [W] • at DC / at 24 V / typical Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical Power-loss [W] • at DC / at 24 V / typical 6 W • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical Ambient temperature • during operation • during storage • during torage • during operation / ethering to any to the store of the store o	Supply voltage		
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• at DC / at 24 V / typical6 W• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical6 WAmbient conditions	_	0.125 A	
• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W Ambient conditions - Ambient temperature -20 +60 °C • during operation -40 +85 °C • during transport -40 +85 °C Relative humidity / at 25 °C / without condensation / during operation / maximum 97 % Ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. Protection class IP IP30 Design, dimensions and weights 26 mm Width 26 mm Height 156 mm	Power loss [W]		
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Ambient temperature -20 +60 °C • during operation -40 +85 °C • during transport -40 +85 °C • during operation / maximum 97 % Relative humidity / at 25 °C / without condensation / during operation / maximum 97 % Ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. Protection class IP IP30 Design, dimensions and weights 26 mm Width 26 mm Height 156 mm	_	6 W	
Ambient temperature -20 +60 °C • during operation -40 +85 °C • during transport -40 +85 °C • during operation / maximum 97 % Relative humidity / at 25 °C / without condensation / during operation / maximum 97 % Ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529. Protection class IP IP30 Design, dimensions and weights 26 mm Width 26 mm Height 156 mm	Ambient conditions		
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Relative humidity / at 25 °C / without condensation / during operation / maximum97 %Ambient condition / for operationWhen used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529.Protection class IPIP30Design, dimensions and weights26 mmWidth26 mmHeight156 mm	during storage	-40 +85 °C	
during operation / maximumWhen used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529.Protection class IPIP30Design, dimensions and weights26 mmWidth26 mmHeight156 mm	• during transport	-40 +85 °C	
W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529.Protection class IPIP30Design, dimensions and weightsWidth26 mmHeight156 mm	-	97 %	
Design, dimensions and weights Width Height 156 mm		W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60529.	
Width 26 mm Height 156 mm	Protection class IP	IP30	
Width 26 mm Height 156 mm	Design, dimensions and weights		
		26 mm	
Depth 127 mm	Height	156 mm	
	Depth	127 mm	

Width / of the enclosure / without antenna	26 mm	
Height / of the enclosure / without antenna	147 mm	
Depth / of the enclosure / without antenna	127 mm	
Net weight	0.52 kg	
Mounting type	wall mounting only if flat mounted	
 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 compo	onents / general	
Product function / Access Point Mode	Yes	
Product function / Client Mode	Yes	
Number of SSIDs	4	
Product function		
iPCF Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'	
• iPCF client	Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'	
 iPCF-MC Access Point 	No	
• iPCF-MC client	Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'	
Number of iPCF-capable radio modules	1	
Product function / iREF	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'	
Number of iREF-capable radio modules	1	
Product function / iPRP	Yes; In combination with the 'KEY-PLUG W780 iFeatures' only	
Product functions / management, configuration, engineering		
Number of manageable IP addresses / in client	8	
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	
 operation with IWLAN controller 	No	
 operation with Enterasys WLAN controller 	No	
 forced roaming on IP down with IWLAN 	Yes	
 forced roaming on link down with IWLAN 	Yes	

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 	Yes
designation	
Product functions / Diagnostics	
Product function	
PROFINET IO diagnosis	Yes
Link Check	No
 connection monitoring IP-Alive 	No
 localization via Aeroscout 	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
Product functions / DHCP	
Product function	
DHCP client	Yes
DHCP server	Yes
DHCP Option 82	Yes
Product functions / redundancy	
Protocol / is supported	
• STP/RSTP	Yes
• MSTP	Yes
• RSTP	Yes
Product functions / Security	
Product function	
 ACL - MAC-based 	Yes

	Vac
Management security, ACL-IP based	Yes
• IEEE 802.1x (radius)	Yes
• NAT/NAPT	No
 access protection according to IEEE802.11i 	Yes
• WPA/WPA2	Yes
• TKIP/AES	Yes
Protocol / is supported	
• SSH	Yes
• RADIUS	Yes
Product functions / time	
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
 SIMATIC time synchronization (SIMATIC Time) 	Yes
Standards, specifications, approvals	
Standard	
• for FM	FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4
 for hazardous zone 	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
 for safety / from CSA and UL 	UL 60950-1, CSA C22.2 No. 60950-1
Certificate of suitability	
 EC declaration of conformity 	Yes
CE marking	Yes
• C-Tick	Yes
• E1 approval	No
 Railway application in accordance with EN 50155 	No
 Railway application in accordance with EN 50121-4 	No
• NEMA TS2	No
• IEC 61375	No
• IEC 61850-3	No
• NEMA4X	No
 Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af 	Yes
 Power-over-Ethernet according to IEEE802.3at for type 2 	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
Wireless approval	You will find the current list of countries at:
	www.siemens.de/funkzulassungen
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
• Bureau Veritas (BV)	Yes
• DNV GL	Yes
 Korean Register of Shipping (KRS) 	Yes
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (NK) 	Yes
 Polski Rejestr Statkow (PRS) 	Yes
 Royal Institution of Naval Architects (RINA) 	Yes
accessories	
accessories	24 V DC screw terminal included in scope of delivery
Further information / Internet-Links	
Internet-Link	
 to website: TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
• to the website: IWLAN	http://www.siemens.com/iwlan
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
 to website: Industry Online Support 	https://support.industry.siemens.com
O a surit, information	

Security information

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