# **SIEMENS**

## Data sheet

#### Product type designation

# 6GK5774-1FX00-0AA0



### SCALANCE W774-1 RJ45

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

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

Interfaces / wireless       1         Number of radio cards / permanently installed       1         Transmission mode / for multiple input multiple output       1         Aumber of spatial streams       2         Number of patial streams       2         Number of patial streams       2         Number of electrical connections / for external antenna(s)       R-SMA (socket)         Product feature / external antenna can be mounted directly on device       Yes         Supply voltage, current consumption, power loss       Yes         Supply voltage / 0       DC         Supply voltage / 1       19.2 V         • from terminal block       19.2 V         Supply voltage / 2       8.8 V         • from terminal block       19.2 V         Supply voltage / 2       8.8 V         • from terminal block       19.2 V         Supply voltage / 2       8.8 V         • from Power-over-Ethernet acc. to IEEEB02.3at       6.8 V         for type 1 and IEEEB02.3af       0.125 A         IEEEB02.3at for type 1 and IEEEB02.3af / typical       6.W         • with Power-over-Ethernet according to       1.25 A         IEEEEB02.3at for type 1 and IEEEB02.3af / typical       6.W         • at DC / at 24 V / typical       6.W	• KEY-PLUG	Yes	
Number of radio cards / permanently installed       1         Transmission mode / for multiple input multiple output (MMO)       2x2         Number of statial streams       2         Number of statial streams       2         Type of electrical connection / for external antenna(s)       R-SMA (socket)         Product feature / external antenna (s)       R-SMA (socket)         Ype of oldage / of the supply voltage       DC         Supply voltage / 1       19.2 V         • from terminal block       28.8 V         Supply voltage / 2       48 V         • from terminal block       28.8 V         Supply voltage / 2       48 V         • from terminal block       0.25 A         Supply voltage       0.25 A         • with Power-over-Ethernet according to IEEE802.3af for type 1 and IEEE802.3af / typical       0.25 A         • with Power-over-Ethernet according to IEEE802.3af for type 1 and IEEE802.3af / typical       6 W         • with Power-over-Ethernet according to IEEE802.3af for type 1 and IEEE802.3af / typical       6 W         • during operature       -40 +60 °C       -40 +68 °C         • during operature       -40 +68 °C       -40 +68 °C         • during operature       -40 +68 °C       97 %         • during operature       -40 +68 °C	Interfaces / wireless		
(MMO)       2         Number of spatial streams       2         Number of electrical connections / for external antenna(s)       R-SMA (socket)         Type of electrical connection / for external antenna(s)       R-SMA (socket)         Product feature / external antenna can be mounted directly on device       Yes         Supply voltage / 1       •         • from terminal block       19.2 V         Supply voltage / 2       •         • from terminal block       28.8 V         Supply voltage       0         • from Power-over-Ethernet acc. to IEEE802.3at       48 V         • from Power-over-Ethernet acc. to IEEE802.3at       0.125 A         • from Power-over-Ethernet according to       0.125 A         IEEE802.3at for type 1 and IEEE802.3at / typical       0.25 A         • with Power-over-Ethernet according to       0.125 A         IEEE802.3at for type 1 and IEEE802.3at / typical       6 W         • with Power-over-Ethernet according to       6 W         • with Power-over-Ethernet according to       9 ··· +60 °C         • during operation       -20 ··· +60 °C         • during operation       -20 ··· +60 °C         • during transport       -40 ··· +85 °C         • during operation       -40 ··· +85 °C         • during operation /		1	
Number of electrical connection / 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 / 1       •form terminal block         •form terminal block       19.2 V         Supply voltage / 2       •form terminal block         •form terminal block       28.8 V         Supply voltage       2         •form terminal block       28.8 V         Supply voltage       48 V         Consumed current       0.25 A         •form there-reserver-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical       6 W         Power loss [W]       •for there-reserver-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical       6 W         Permitted ambient conditions       -0       -40		2x2	
antenna(s)       Product feature / external antenna(s)       R-SMA (socket)         Product feature / external antenna can be mounted directly on device       Yes         Supply voltage / current consumption, power loss       DC         Supply voltage / 1       19.2 V         Supply voltage / 2       19.2 V         from terminal block       19.2 V         Supply voltage       2         from terminal block       19.2 V         Supply voltage       2         from terminal block       19.2 V         Supply voltage       48 V         form type 1 and IEEE802.3af       0.25 A         fortype 1 and IEEE802.3af (type) and IEEE802.3af (typical       0.125 A         IEEE802 3at for type 1 and IEEE802.3af (typical       6 W         e at DC / at 24 V / typical       6 W         e with Power-over-Ethernet according to       IEEE802.3af (typical         Power loss [W]       e W         e with Power-over-Ethernet according to       EEE802.3af (trype 1 and IEEE802.3af (typical         Power loss [W]       e W       6 W         e during storage       -40 +60 °C         • during transport       -40 +85 °C         Relative humidity / at 25 °C / without condensation /       97 %         Mubient conditions (Zone 2), this	Number of spatial streams	2	
Product feature / external antenna can be mounted directly on device     Yes       Supply voltage / of the supply voltage     DC       Supply voltage / 1     0       • from terminal block     19.2 V       Supply voltage / 2     28.8 V       • from terminal block     28.8 V       Supply voltage / 1     0.25 A       • from power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af     0.25 A       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       • with power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical     6 W       • during operation     -20 +60 °C       • during transport     -40 +85 °C       • during transport     -40 +85 °C       • during transport     97 %       When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJA5 or W734-1 RJA5 or W		2	
directly on device     Supply voltage, current consumption, power loss       Type of voltage / of the supply voltage     DC       Supply voltage / 1     19.2 V       • from terminal block     19.2 V       Supply voltage / 2     28.8 V       • from terminal block     28.8 V       Supply voltage     48 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     0.25 A       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     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       • during operation     -20 +60 °C       • during storage     -40 +85 °C       • during storage     -40 +85 °C       • during transport     40 +85 °C       Protection / maximum     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	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       • from terminal block       28.8 V         Supply voltage       2       48 V         Supply voltage       -       -         • from Terminal block       28.8 V         Supply voltage       -       -         • from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af / typical       0.25 A         • at DC / at 24 V / typical       0.25 A       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         Permitted ambient conditions       -20 +60 °C       -40 +85 °C         • during operation       -20 +80 °C       -40 +85 °C         • during transport       -40 +85 °C       -40 +85 °C         • during operation / maximum       97 %       97 %         Armbient condition / for operation       When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 product must be installed in an enclosure.         enclosure // the requirements of at least IP 54 in compliance with EN 60529.       Protection class IP         Paso       Paso		Yes	
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       48 V         • from Power-over-Ethernet acc. to IEEE802.3at       48 V         Consumed current       0.25 A         • at DC / at 24 V / typical       0.25 A         • with Power-over-Ethernet according to       0.125 A         IEEE802.3at for type 1 and IEEE802.3af / typical       6 W         • at DC / at 24 V / typical       6 W         • at DC / at 24 V / typical       6 W         • with Power-over-Ethernet according to       12EE802.3at for type 1 and IEEE802.3af / typical         Power loss [W]       • at DC / at 24 V / typical         • during operation       -20 +60 °C         • during operation       -20 +85 °C         • during storage       -40 +85 °C         • during storage       -40 +85 °C         • during operation / maximum       97 %         Armbient condition / for operation       97 %         Protection class IP       IP30         Design, dimensions and weight       Weight         Width       26 mm		DC	
• 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 IEEE802.3at       48 V         Consumed current       0.25 A         • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at / typical       0.25 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         Permitted ambient conditions       -20 +60 °C         Ambient temperature       -40 +85 °C         • during operation       -40 +85 °C         • during operation / during operation / during operation       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 weight       26 mm			
• from terminal block       28.8 V         Supply voltage       48 V         • from Power-over-Ethernet acc. to IEEE802.3af       48 V         Consumed current       0.25 A         • at DC / at 24 V / typical       0.25 A         • with Power-over-Ethernet according to       0.125 A         IEEE802.3at for type 1 and IEEE802.3af / typical       6 W         Power loss [W]       6 W         • at DC / at 24 V / typical       6 W         • with Power-over-Ethernet according to       1EEE802.3at for type 1 and IEEE802.3af / typical         Power loss [W]       6 W         • at DC / at 24 V / typical       6 W         • with Power-over-Ethernet according to       1EEE802.3at for type 1 and IEEE802.3af / typical         Permitted ambient conditions       6 W         Ambient temperature       -20 +60 °C         • during operation       -20 +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 WY74-1 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 <td></td> <td>19.2 V</td>		19.2 V	
Supply voltage       Intervention operation         Supply voltage       48 V            • 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         Permitted ambient conditions       6 W         Ambient temperature       -20 +60 °C         • during operation       -20 +85 °C         • during transport       40 +85 °C         • during transport       97 %         Ambient condition / for operation       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 weight       26 mm	Supply voltage / 2		
<ul> <li>from Power-over-Ethernet acc. to IEEE802.3at for type 1 and IEEE802.3af</li> <li>Consumed current         <ul> <li>at DC / at 24 V / typical</li> <li>0.25 A</li> <li>0.125 A</li> </ul> </li> <li>Power loss [W]         <ul> <li>at DC / at 24 V / typical</li> <li>0.125 A</li> </ul> </li> <li>Power loss [W]         <ul> <li>at DC / at 24 V / typical</li> <li>0.125 A</li> <li>0.125 A</li> </ul> </li> <li>Power loss [W]         <ul> <li>at DC / at 24 V / typical</li> <li>6 W</li> <li>6 W</li> <li>with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical</li> </ul> </li> <li>Permitted ambient conditions</li> <li>Ambient temperature         <ul> <li>during operation</li> <li>-20 +60 °C</li> <li>-40 +85 °C</li> <li>during transport</li> <li>40 +85 °C</li> <li>Relative humidity / at 25 °C / without condensation / during operation / maximum</li> </ul> <ul> <li>Ambient condition / for operation</li> <li>Men 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.</li> <li>Protection class IP</li> <li>IP30</li> </ul> </li> <li>Design, dimensions and weight</li> <li>Width</li> <li>26 mm</li> </ul>	<ul> <li>from terminal block</li> </ul>	28.8 V	
Instruction of the left of type 1 and left effect of type 1 and l	Supply voltage		
• at DC / at 24 V / typical0.25 A• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical0.125 APower loss [W] • at DC / at 24 V / typical6 W• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical6 WPermitted ambient conditions6 WAmbient temperature • during operation-20 +60 °C• during storage • during storage-40 +85 °C• during transport-40 +85 °CRelative 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 weight26 mm		48 V	
• 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         Permitted ambient conditions       6 W         Ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during storage       -40 +85 °C         • during transport       97 %         Relative humidity / at 25 °C / without condensation / during operation / for operation       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 weight       26 mm	Consumed current		
IEEE802.3at for type 1 and IEEE802.3af / typical         Power loss [W]         • at DC / at 24 V / typical         • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical         Permitted ambient conditions         Ambient temperature         • during operation         • during storage         • during transport         Prower loss [P]         Protection class IP         Protection class IP         Design, dimensions and weight	• at DC / at 24 V / typical	0.25 A	
• 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         Permitted ambient conditions       6 W         Ambient temperature       -20 +60 °C         • during operation       -20 +60 °C         • during transport       -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 weight       26 mm	-	0.125 A	
• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical       6 W         Permitted ambient conditions	Power loss [W]		
IEEE802.3at for type 1 and IEEE802.3af / typical         Permitted ambient conditions         Ambient temperature         • during operation         • during storage         • during transport         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         Design, dimensions and weight       26 mm	• at DC / at 24 V / typical	6 W	
Ambient temperature       -20 +60 °C         • during operation       -40 +85 °C         • during transport       -40 +85 °C         • during transport       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 weight       26 mm	-	6 W	
• during operation-20 +60 °C• during storage-40 +85 °C• during transport-40 +85 °CRelative 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 weight26 mm	Permitted ambient conditions		
• during storage-40 +85 °C• during transport-40 +85 °C• during transport-40 +85 °CRelative 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 weight26 mm	Ambient temperature		
• 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 weight       26 mm	<ul> <li>during operation</li> </ul>	-20 +60 °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 weight       26 mm	<ul> <li>during storage</li> </ul>	-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 weightWidth26 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 IP       IP30         Design, dimensions and weight       26 mm	-	97 %	
Design, dimensions and weight       Width       26 mm	Ambient condition / for operation	W774-1 RJ45 or W734-1 RJ45 product must be installed in an enclosure. To comply with EN 50021, this enclosure must meet	
Width     26 mm	Protection class IP	IP30	
Width     26 mm	Design, dimensions and weight		
Height 156 mm		26 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
<ul> <li>S7-300 rail mounting</li> </ul>	Yes
• S7-1500 rail mounting	Yes
• 35 mm DIN rail mounting	Yes
wall mounting	Yes
Wireless frequencies	
Operating frequency	
<ul> <li>for WLAN in 2.4 GHz frequency band</li> </ul>	2.41 2.48 GHz
<ul> <li>for WLAN in 5 GHz frequency band</li> </ul>	4.9 5.8 GHz
Product properties, functions, components / genera	
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'
<ul> <li>iPCF-MC Access Point</li> </ul>	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	
Number of manageable IP addresses / in client	8
Product function	Y.
• CLI	Yes
web-based management	Yes
MIB support	Yes
• TRAPs via email	Yes
Configuration with STEP 7	Yes
<ul> <li>configuration with STEP 7 in the TIA Portal</li> </ul>	Yes
<ul> <li>operation with IWLAN controller</li> </ul>	No
<ul> <li>operation with Enterasys WLAN controller</li> </ul>	No
<ul> <li>forced roaming on IP down with IWLAN</li> </ul>	Yes
<ul> <li>forced roaming on link down with IWLAN</li> </ul>	Yes

• WDS	Yes
Protocol / is supported	
<ul> <li>Address Resolution Protocol (ARP)</li> </ul>	Yes
• ICMP	Yes
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance function	
<ul> <li>I&amp;M0 - device-specific information</li> </ul>	Yes
<ul> <li>I&amp;M1 – higher-level designation/location designation</li> </ul>	Yes
Product functions / Diagnosis	
Product function	
<ul> <li>PROFINET IO diagnosis</li> </ul>	Yes
Link Check	No
<ul> <li>connection monitoring IP-Alive</li> </ul>	No
<ul> <li>localization via Aeroscout</li> </ul>	Yes
• SysLog	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
Product functions / VLAN	
Product function	
<ul> <li>function VLAN with IWLAN</li> </ul>	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	

	Vec
ACL - MAC-based	Yes
Management security, ACL-IP based	Yes
• IEEE 802.1x (radius)	Yes
NAT/NAPT	No
<ul> <li>access protection according to IEEE802.11i</li> </ul>	Yes
• WPA/WPA2	Yes
• TKIP/AES	Yes
Protocol / is supported	
• SSH	Yes
• RADIUS	Yes
Product functions / Time	
Protocol / is supported	
• NTP	Yes
• SNTP	Yes
<ul> <li>SIMATIC time synchronization (SIMATIC Time)</li> </ul>	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
<ul> <li>for hazardous zone</li> </ul>	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
<ul> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
Certificate of suitability	
<ul> <li>EC declaration of conformity</li> </ul>	Yes
• CE marking	Yes
• C-Tick	Yes
● E1 approval	No
<ul> <li>Railway application in accordance with EN 50155</li> </ul>	No
<ul> <li>Railway application in accordance with EN 50121-4</li> </ul>	No
• NEMA TS2	No
• IEC 61375	No
• IEC 61850-3	No
• NEMA4X	No
<ul> <li>Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af</li> </ul>	Yes
<ul> <li>Power-over-Ethernet according to IEEE802.3at for type 2</li> </ul>	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	
<ul> <li>American Bureau of Shipping Europe Ltd.</li> </ul>	Yes
(ABS)	
• Bureau Veritas (BV)	Yes
• DNV GL	Yes
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	Yes
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes
<ul> <li>Royal Institution of Naval Architects (RINA)</li> </ul>	Yes
Accessories	
accessories	24 V DC screw terminal included in scope of delivery
Further Information / Internet Links	
Internet-Link	
<ul> <li>to website: TIA Selection Tool</li> </ul>	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
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com

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. Thirdparty products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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