SIEMENS

Data sheet

product type designation

6GK5788-2FC00-0AB0



W788-2 RJ45 (USA)

IWLAN Access Point, SCALANCE W788-2 RJ45, 2 radios, 6 R-SMA antenna port, iFeatures support via KEY-PLUG, IEEE 802.11a/b/g/h/n, 2.4/5 GHz, gross 450 Mbps per radio, 1x RJ45 max. 1 Gbps, PoE, redundant 24 V DC, joint block, IP30, -20..+60 °C, plug slot, WPA2/802.11i/e, signaling contact observe national approvals! CERT ID: RAPN-W2-RJ-E3, includes: MPCIE-R1-ABGN-U3, FCC ID: LYHMPCIE1V1 scope of delivery: manuals on CD-ROM, German/English, 2x joint blocks; only for operation in the USA.

transfer rate	
transfer rate	
with WLAN / maximum	450 Mbit/s
 for Industrial Ethernet 	10, 100, 1000 Mbit/s
transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	1000 Mbit/s
interfaces	
number of electrical connections	
 for network components or terminal equipment 	1
 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
memory	
design of the removable storage	
• C-PLUG	Yes
• KEY-PLUG	Yes
interfaces / wireless	
number of radio cards / permanently installed	2
transmission mode / for multiple input multiple output (MIMO)	3x3
number of spatial streams	3
number of electrical connections / for external antenna(s)	6
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	1
number of digital outputs	1
type of electrical connection / at the digital inputs/outputs	4-pole screw terminal
signal range / at digital input	24 V DC, safety extra-low voltage
signal range / at digital output	24 V DC / 1 A
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	

• Iom Prove week-Enternal according to IEEEB02.3af for type 1 and IEEB02.3af for type 2 60 V • emp Prove week-Enternal according to IEEEB02.3af for type 1 and IEEB02.3af for type 1 and IEEEB02.3af for type 1 and IEE		
• ion Power-wer-Ehemet according to IEEE802 2at for type 2 S0 V • ext 0/ 147 4/ V /pical 0.33 A • with Power-wer-Ehemet according to IEEE802 2at for type 1 and IEE802 2at fypical 0.24 A • with Power-wer-Ehemet according to IEEE802 2at for type 2 / typical 0.34 A • with Power-wer-Ehemet according to IEEE802 2at for type 2 / typical 0.34 A • with Power-wer-Ehemet according to IEEE802 2at for type 1 and IEE802 2at fypical 15 W • with Power-wer-Ehemet according to IEEE802 2at for type 1 and IEE802 2at fypical 10 X • with Power-wer-Ehemet according to IEEE802 2at for type 1 and IEE802 2at fypical 10 X • with Power-wer-Ehemet according to IEEE802 2at for type 2 / typical 10 X • with Power-wer-Ehemet according to IEEE802 2at fypical 20 - w60 °C • withing operator - w60 °C • withing operat	0	48 V
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+ of D / al 24 V1 yperal0.63 A+ with Powers-DEmend Executing to IEEE802.38 for type 1 and IEEE802.38 for type 2 / typical0.3 A> with Power-ose-Themest according to IEEE802.38 for type 1 and IEE802.38 for type 1 and IEE80	•	
• with Power-one-firmeret according to IEEE802.34 for bype 1 and IEE802.34 for yours 0.3 A • with Power-one-firmeret according to IEEE802.34 for bype 2 / yours 0.3 A • with Power-one-firmeret according to IEEE802.34 for bype 2 / yours 15 W • with Power-one-firmeret according to IEEE802.34 for bype 1 and IEE802.34 for yours 15 W • with Power-one-firmeret according to IEEE802.34 for bype 2 / yours 15 W • supp Vortage / 1 15 W • form terminal block 10.2 V • upp yours 28.8 V • form terminal block 28.8 V • upp grantin -40 48 °C • during granport -40 48 °C • during transport -40 48 °C • with for the conducer / without antenna 190 °C • during transport -40 48 °C • with for the conducer / without antenna 190 °C • during transport -400 °C • during transport -500 °C • during tr	consumed current	
swith Powerse-Ethernet according to IEEE802.3a for type 2 / typical 0.3 A swith Power Set Ministry according to IEEE802.3a for type 1 and IEEE802.3a for type 2 / type 1 and IEEE802.3a for type 1 and IEE800.3a for ty	 at DC / at 24 V / typical 	0.63 A
hyper 2 / yperal is with Proversement according to IEEE802.3at for yperal according to IEE802.3at for YPE80.5at IEE802.3at for YPE80.5at IEE802.3at IEE802.		0.22 A
a rb C/ at 24 V / protect 15 W with Power over-Ehernal according to IEEE802.3at for you? 21 / protect 10.7 W supply voltage / 1 15 W i-with Power-over-Ehernal according to IEEE802.3at for you? 21 / protect 19.2 V supply voltage / 1 i=0.7 W i-from terminal block 19.2 V supply voltage / 1 i=0.7 W i-from terminal block 28.8 V amblent competitions -20+60 °C i-during strange -40+65 °C i-during strange -40+65 °C i-during strange -40+65 °C i-during strange -40+65 °C i-during strange -400 °C i-during strange -20 w gatasian -400 °C i-during strange -20 mm i-gatasian -20 mm i-gatasian	5	0.3 A
• with Power-ower.Beneral according to IEEE802.ast for type 1 and [EEE802.ast for type 2 / 1] 10.7 W supply voltage / 1 15 W • from terminal block 19.2 V supply voltage / 2 19.2 V • from terminal block 28.8 V amblent conditions 28.8 V amblent conditions	power loss [W]	
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type 2 / typical		10.7 W
i-form terminal block 19.2 V supply voltage / 2 - i-form terminal block 28.8 V ambient conditions - anticol conditions - aduing sportal - - duing transport - - descard transmann - - descard transport - - descard transp	5	15 W
supply voltage / 2 28.8 V • from terminal block 28.8 V ambient conditions	supply voltage / 1	
tom terminal block ambient emperature during operation during storage	from terminal block	19.2 V
ambient temperature -20 +60 °C • during operation -20 +65 °C • during transport -40 +65 °C • during transport 90 % operation / maximum 90 % ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x product must be installed in an enclosure / Whoth SN021, is enclosure with the N0021, protection class IP IP30 design, dimensions and weights 200 mm design, dimensions and weights 200 mm design of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 79 mm net weight 1.7 kg e35 mm bot and Nonting Yes • S7-300 rail mounting Yes • S7-1500 rail mounting Yes </td <td>supply voltage / 2</td> <td></td>	supply voltage / 2	
ambient temperature -20+60 °C • during storage -40+65 °C • during tansport -40+65 °C • during transport -70 mm • during transport -70 mm • for the enclosure / without antenna 178 mm • estr-300 rail mounting Yes • S7-1600 rail mounting Yes • S7-1600 rail mounting Yes • S7-1600 rail mounting Yes • additional north rail mounting Yes • during transport -50 °C for S mm DIN rail mounting an additional mounting ato for WLAN in 2.4 °CHz frequency band 2.		28.8 V
	ambient conditions	
• during storage 40 +85 °C • during transport 40 +85 °C • during transport 90 % • ambient condition / for operation 90 % ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W788.x or W748 × 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 60029. protection class IP IP30 design, dimensions and weights 90 % width / of the enclosure / without antenna 158 mm 1 eqtif / of the enclosure / without antenna 78 mm netweight 1.7 kg fastering method For 35 mm DIN rail mounting an additional mounting adapter is required • S7-1500 rail mounting Yes • soft on anounting Yes • and in quarting Yes rule of the country approvals 2.41 2.48 GHz; depending on the country approvals product function / Access Point Yes • in WLAN in 5 GHz frequency band 2.41 2.48 GHz; depending on the country approvals product function / Cleint Mode Yes number of SSIDS 16 product function / Cleint Mode Yes	ambient temperature	
• during transport -40 +85 °C relative humidity / at 25 °C / without condensation / during operator / maximum 99 % ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W786. xor W746. xp roduct 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 with / of the enclosure / without antenna depth / of the enclosure / without antenna 158 mm depth / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • S7-300 rail mounting Yes • asf mit op hat DIN rail mounting Yes • asf mit op hat DIN rail mounting Yes • for WLAN in 5 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 function / Access Point Mode Yes • product function / Access Point Mode Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'K	 during operation 	-20 +60 °C
relative hunidity / at 25 °C / without condensation / during 90 % ambient condition / for operation When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x 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. greating and the enclosure / without antenna 200 mm height / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 158 mm depth / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required vs3 \$7.500 rail mounting Yes vs3 \$3 mm top hat DIN rail mounting Yes operating frequencies 200 min country approvals 241 2.48 GHz; depending on the country approvals or of VLAN in 2.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals 241 2.48 GHz; depending on the country approvals product function / Access Point Yes 16 16 17 ves Only in combination with the 'KEY-PLUG W780 iFeatures' Yes 16 10 product function / Jeent Mode Yes 16 10 10 10 <td>during storage</td> <td>-40 +85 °C</td>	during storage	-40 +85 °C
operation / maximum When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x 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 When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x product must be installed in an enclosure. To comply with EN 50021, this enclosure with meet the requirements of at least IP 54 in compliance with EN 60529. design, dimensions and weights Work / of the enclosure / without antenna with / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • S7-300 rail mounting Yes • S7-4500 rail mounting Yes • S7 for WLAN in 2.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals • for WLAN in 5.4 GHz frequency band 4.9 5.8 GHz; depending on the country approvals • for WLAN in 5.4 GHz frequency band 4.9 5.8 GHz; depending on the country approvals product function / Lonets product components / general product function / Access Point Mode Yes in WLAN in 5.4 GHz frequency band 1.9 5.8 GHz; depending on the country approvals <t< td=""><td>during transport</td><td>-40 +85 °C</td></t<>	during transport	-40 +85 °C
W748-x 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 200 mm width / of the enclosure / without antenna 158 mm depth / of the enclosure / without antenna 178 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • S7-300 rail mounting Yes • S7-1500 rail mounting Yes • for WLAN in S 24 GHz frequency band 2.41 2.48 GHz; depending on the country approvals product function / Access Point Mode Yes product function / Access Point Mode Yes product function / client Mode Yes product function / client Mode Yes iPCF-AC Access Point Yes; Only in combination with the KEY-PLUG W780 iFeatures' iPCF-AC Client		90 %
design, dimensions and weights width / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 158 mm depth / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • \$7-300 rail mounting Yes • \$57-500 rail mounting Yes • \$57-500 rail mounting Yes • \$57-500 rail mounting Yes • \$67-500 rail mounting Yes • \$67-500 rail mounting Yes • \$67 requencies Yes operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 2.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals product function / Access Point Mode Yes product function / Access Point Mode Yes number of SIDs 16 product function Yes Only in combination with the 'KEY-PLUG W780 iFeatures' • IPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W780 iFeatures' • IPCF-MC client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' number of IPCF-c	ambient condition / for operation	W748-x 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
with / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 158 mm depth / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • \$7.300 rail mounting Yes • \$7.500 rail mounting Yes • \$35 mm top hat DIN rail mounting Yes • wall mounting Yes • avail mounting Yes • avail mounting Yes • or WLAN in 2.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals • or WLAN in 5.4C frequency band 4.9 5.8 GHz; depending on the country approvals product function / Access Point Mode Yes product function / Access Point Mode Yes product function 16 number of SIDs 16 product function Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point	protection class IP	IP30
height / of the enclosure / without antenna 158 mm depth / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • \$7-300 rail mounting Yes • \$57-1500 rail mounting Yes • \$57 mm top hat DIN rail mounting Yes • wall mounting Yes • wall mounting Yes • adio frequencies Yes operating frequency • 1.2 At 8 GHz; depending on the country approvals • for WLAN in 2.4 GHz frequency band 4.9 5.8 GHz; depending on the country approvals product function / Access Point Mode Yes product function / client Mode Yes number of SSIDs 16 product function Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Client Yes; Only in combination only with 'KEY-PLUG W780 iF	design, dimensions and weights	
depth / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • \$7-300 rail mounting Yes • \$7-500 rail mounting Yes • \$57-1500 rail mounting Yes • \$57-300 rail mounting Yes • \$35 mm top hat DIN rail mounting Yes • wall mounting Yes • wall mounting Yes • adio forequencies 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 number of SIDs 16 product function • IPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • IPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • IPCF-MC Clent Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' number of iPCF-capable radio modules </td <td>width / of the enclosure / without antenna</td> <td>200 mm</td>	width / of the enclosure / without antenna	200 mm
net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • 57-300 rail mounting Yes • S7-300 rail mounting Yes • S5 mm top hat DIN rail mounting Yes • s5 mm top hat DIN rail mounting Yes • wall mounting Yes • wall mounting Yes • wall mounting Yes • of 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 / cleint Mode product function / cleint Mode Yes number of SSIDs 16 product function Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF cleint Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Cleint Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Cleint Yes; Only in combination with the	height / of the enclosure / without antenna	158 mm
net weight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • 57-300 rail mounting Yes • S7-300 rail mounting Yes • S5 mm top hat DIN rail mounting Yes • wall mounting Yes • wall mounting Yes • wall mounting Yes • wall mounting Yes • of 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 / client Mode product function / client Mode Yes number of SSIDs 16 product function Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF Access Point Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Client Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Client Yes; Only in combination with the "KEY-PLUG W780 iFeatures' • iPCF-MC Client Yes; In combination only with "KEY-PLUG W780 iFeatur	depth / of the enclosure / without antenna	79 mm
fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • \$7-300 rail mounting Yes • \$7-1500 rail mounting Yes • \$35 mm top hat DIN rail mounting Yes • wall mounting Yes radio frequencies Yes operating frequency • • for WLAN in 2.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals product features, product function, product components / general product features, product function / Access Point Mode product function / client Mode Yes; Yes; number of SSIDs 16 product function / client Mode Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC client Yes; Only in combination with KEY-PLUG W780 iFeatures' • iPCF-MC client Yes; Only in combination with KEY-PLUG W780 iFeatures' • iPCF-Capable radio modules 2 product function / IPEP Yes; In combination only with 'KEY-PLUG W780 iFeatures'	net weight	1.7 kg
• S7-300 rail mounting Yes • S7-1500 rail mounting Yes • 35 mm top hat DIN rail mounting Yes • wall mounting Yes • wall mounting Yes operating frequencies	÷	-
• S7-1500 rail mountingYes• 35 mm top hat DIN rail mountingYes• wall mountingYesradio frequenciesoperating frequency• for WLAN in 2.4 GHz frequency band2.41 2.48 GHz; depending on the country approvals• for WLAN in 5 GHz frequency band4.9 5.8 GHz; depending on the country approvalsproduct features, product functions, product components / generalproduct features, product function / Access Point ModeYesproduct function / Access Point ModeYesnumber of SIDs16product function• iPCF Access PointYes; Only in combination with the 'KEY-PLUG W780 iFeatures'• iPCF clientYes; Only in combination with the 'KEY-PLUG W780 iFeatures'• iPCF-MC Access PointYes; Only in combination with the 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with the 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; In combination with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; In combination only with 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; In combin	0	. . .
• 35 mm top hat DIN rail mounting Yes • wall mounting Yes radio frequencies		
• wall mounting Yes radio frequencies	C C	
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 number of SSIDs 16 product function Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG • iPCF-MC Client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG • iPCF-MC client Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG number of iPCF-capable radio modules 2 product function / IREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only		
operating frequency for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band for		
• 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 factures, product functions, product components / general product function / Access Point Mode Yes product function / client Mode Yes number of SSIDs 16 product function · • iPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC Client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' number of iPCF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeat		
• for WLAN in 5 GHz frequency band 4.9 5.8 GHz; depending on the country approvals product function / Access Point Mode Yes product function / client Mode Yes number of SSIDs 16 product function Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-Capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / manageenent, configuration, engineerin		2.41 2.48 GHz: depending on the country approvale
product features, product functions, product components / general product function / Access Point Mode Yes product function / client Mode Yes number of SSIDs 16 product function *iPCF Access Point • iPCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-Capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only p		
product function / Access Point Mode Yes product function / client Mode Yes number of SSIDs 16 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 W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-INC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC client Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' number of iPCF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP		
product function / client Mode Yes number of SSIDs 16 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 W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC client Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' number of iPCF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPanagement, configuration, engineering 8 <td></td> <td></td>		
number of SSIDs 16 product function	•	
product function iPCF Access Point iPCF client iPCF-INC Access Point iPCF-MC Access Point iPCF-MC Access Point iPCF-MC Client PCF-MC Client PCF-MC Client PCF-MC Client PCF-MC Client PCF-MC Client Product function / iPCF-capable radio modules Product function / iREF Product function / iPRP Product function / iPRP Product function / iPRP Product functions / management, configuration, engineering number of manageable IP addresses / in client 		
• iPCF Access PointYes; Only in combination with the 'KEY-PLUG W780 iFeatures'• iPCF clientYes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'• iPCF-MC Access PointYes; Only in combination with the 'KEY-PLUG W780 iFeatures'• iPCF-MC clientYes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'number of iPCF-capable radio modules2product function / iREFYes; In combination only with 'KEY-PLUG W780 iFeatures'number of iREF-capable radio modules2product function / iPRPYes; In combination with the 'KEY-PLUG W780 iFeatures' onlyproduct function / iPRPYes; In combination with the 'KEY-PLUG W780 iFeatures' onlyproduct functions / management, configuration, engineering8		10
• iPCF client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iPCF-MC client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' number of iPCF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iREP Yes; In combination with the 'KEY-PLUG W780 iFeatures' product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product functions / management, configuration, engineering 8	•	
• iPCF-MC Access Point W740 iFeatures' • iPCF-MC client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' number of iPCF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product functions / management, configuration, engineering 8		
iPCF-MC client Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' number of iPCF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' product functions / management, configuration, engineering number of manageable IP addresses / in client 8		W740 iFeatures'
W740 iFeatures' number of iPCF-capable radio modules 2 product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product functions / management, configuration, engineering 8		
product function / iREF Yes; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product functions / management, configuration, engineering 8		W740 iFeatures'
number of iREF-capable radio modules 2 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	number of iPCF-capable radio modules	
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 / iREF	Yes; In combination only with 'KEY-PLUG W780 iFeatures'
product functions / management, configuration, engineering number of manageable IP addresses / in client 8	number of iREF-capable radio modules	2
number of manageable IP addresses / in client 8	product function / iPRP	Yes; In combination with the 'KEY-PLUG W780 iFeatures' only
	product functions / management, configuration, engineering	
product function	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
• WDS	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 designation 	Yes
product functions / diagnostics	
product function	
PROFINET IO diagnosis	Yes
Ink check	No
connection monitoring IP-Alive	No
localization via Aeroscout	Yes
• SysLog	Yes
protocol / is supported	
SNMP v1	Yes
• SNMP v2	Yes
• SNMP v2	Yes
product functions / VLAN	Tes
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
 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 SNTP	Yes
	Yes
 SIMATIC time synchronization (SIMATIC Time) standards, specifications, approvals 	Yes
standard	
• for FM	FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X
certificate of suitability	
 EC Declaration of Conformity 	Yes
CE marking	Yes
• C-Tick	Yes
● E1 approval	Yes
 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	Vee
• IEEE 802.11a	Yes
• IEEE 802.11b • IEEE 802.11e	Yes
• IEEE 802.11g	Yes
• IEEE 802.11h	Yes
• IEEE 802.11i	Yes
• IEEE 802.11n	Yes
wireless approval	For operation in the USA, you will find more information under: www.siemens.de/funkzulassungen
standards, specifications, approvals / marine classification	, i i i i i i i i i i i i i i i i i i i
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (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
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
from CSA and UL	ANSI/ISA 12.12.01-2013, CAN/CSA C22.2 No.213-M1987, Cl. 1, div. 2, GP. A, B, C, D, T4 / Cl. 1, Zone 2, GP IIC E240480
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
● as marking	Ex nA IIC T4 Gc
accessories	
accessories	24 V DC screw terminal and screw terminal for digital input and output included in the scope of delivery
further information / internet links	
internet link	
to website: TIA Selection Tool	http://www.siemens.com/tia-selection-tool
 to web page: selection aid 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
security information	
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