## SIEMENS

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## Data sheet

## 6GK5788-2FC00-0AA0

product type designation	W788-2 RJ45
	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, 2.4/5GHz, gross 450 Mbit/s per radio, 1x RJ45 max. 1 Gbit/s, 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, scope of delivery: Manuals on CD-ROM, German/English, 2x joint blocks; for operation outside of USA/Israel.

transfer rate • with WLAN / maximum 450 Mbit/s 10, 100, 1000 Mbit/s for Industrial Ethernet transfer rate / for Industrial Ethernet • minimum 10 Mbit/s • maximum 1000 Mbit/s 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 4-pole screw terminal, PoE • for power supply design of the removable storage • C-PLUG Yes • KEY-PLUG Yes memory design of the removable storage • C-PLUG Yes • KEY-PLUG Yes 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 Yes . device 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
hype 2		50 V
+ 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	<ul> <li>at DC / at 24 V / typical</li> </ul>	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]	
type 1 and IEEE802.347 typical         IS W           with Powerse-Einemet according to IEEE802.347 for type 27 typical         IS W           supply voltage 1         IS W           supply voltage 12         IS W           inform terminal block         28.8 V           ambient temperature         -0           inform terminal block         20           inform terminal block         200 rmm           inform terminal block         200 rmm           inform terminal block         200 rmm           ingit of the enclosure / whoot antenna         18 kmm           depint of the enclosure / whoot antenna         18 kmm	• at DC / at 24 V / typical	15 W
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	<ul> <li>during operation</li> </ul>	-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	<b>. .</b> .
• 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 <ul> <li>for WLAN in 2.4 GHz frequency band</li> <li>for WLAN in 5 GHz frequency band</li> <li>for</li></ul>		
• 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 <ul> <li>iPCF Access Point</li> <li>iPCF client</li> <li>iPCF-INC Access Point</li> <li>iPCF-MC Access Point</li> <li>iPCF-MC Access Point</li> <li>iPCF-MC Client</li> <li>PCF-MC Client</li> <li>PCF-MC Client</li> <li>PCF-MC Client</li> <li>PCF-MC Client</li> <li>PCF-MC Client</li> <li>Product function / iPCF-capable radio modules</li> <li>Product function / iREF</li> <li>Product function / iPRP</li> <li>Product function / iPRP</li> <li>Product function / iPRP</li> <li>Product functions / management, configuration, engineering</li> <li>number of manageable IP addresses / in client</li> </ul>		
• 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
<ul> <li>web-based management</li> </ul>	Yes
MIB support	Yes
• TRAPs via email	Yes
<ul> <li>configuration with STEP 7</li> </ul>	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 / 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
<ul> <li>management security, ACL-IP based</li> </ul>	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	

nrategel / is supported	
protocol / is supported	Vee
NTP     SNTP	Yes
	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, FM16US0205X
certificate of suitability	
<ul> <li>EC Declaration of Conformity</li> </ul>	Yes
CE marking	Yes
• C-Tick	Yes
• E1 approval	Yes
<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
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
standards, specifications, approvals / marine classification	
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
<ul> <li>Royal Institution of Naval Architects (RINA)</li> </ul>	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 • as marking	Yes Ex nA IIC T4 Gc
as marking     accessories	
accessories	
CU 4 4	24 V DC screw terminal and screw terminal for digital input and output included
	24 V DC screw terminal and screw terminal for digital input and output included in the scope of delivery
further information / internet links	24 V DC screw terminal and screw terminal for digital input and output included in the scope of delivery
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further information / internet links internet link • to website: TIA Selection Tool	in the scope of delivery           http://www.siemens.com/tia-selection-tool
further information / internet links internet link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool	in the scope of delivery           http://www.siemens.com/tia-selection-tool           http://www.siemens.com/tia-selection-tool
further information / internet links internet link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN	in the scope of delivery           http://www.siemens.com/tia-selection-tool           http://www.siemens.com/tia-selection-tool           http://www.siemens.com/tia-selection-tool
further information / internet links internet link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN • to website: Industry Mall	in the scope of delivery  http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com
further information / internet links         internet link         • to website: TIA Selection Tool         • to web page: selection aid TIA Selection Tool         • to the website: IWLAN         • to website: Industry Mall         • to website: Information and Download Center	in the scope of delivery  http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter
further information / internet links internet link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN • to website: Industry Mall • to website: Information and Download Center • to website: Image database	in the scope of delivery  http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb
further information / internet links         internet link         • to website: TIA Selection Tool         • to web page: selection aid TIA Selection Tool         • to the website: IWLAN         • to website: Industry Mall         • to website: Information and Download Center	in the scope of delivery  http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter

security information Siemens provides products and s	solutions with industrial security functions that
support the secure operation of p networks. They are important cor concept. With this in mind, Siemer continuous development. Siemer check for product updates. For th solutions, it is necessary to take s concept) and integrate each com security concept. Third-party proc considered. For more information http://www.siemens.com/industria	alsecurity. To stay informed about product or a product-specific newsletter. For more

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