## 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
<ul> <li>for Industrial Ethernet</li> </ul>	10, 100, 1000 Mbit/s
transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	1000 Mbit/s
interfaces	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	1
<ul> <li>for power supply</li> </ul>	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
• 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	

A BUT Prove week-Bennet according to IEEE 82.3st for yop 1 and IEE 802.3df / Yopical al DC / AI 24 V / Yopical al DC / AI 24 V / Yopical yop 1 and IEEE 802.3df / Yopical yop 2 Yopical yop		
• for Power-wee-Entremat seconding to IEEE802.34 for byee         50 V           consumed current         0.83 A           • et D/C at AI // hypical         0.83 A           • et D/C at AI // hypical         0.83 A           • et D/C at AI // hypical         0.83 A           • et D/C at AI // hypical         0.83 A           • et D/C at AI // hypical         0.93 A           • et D/C at AI // hypical         0.93 A           • et D/C at AI // hypical         15 W           • et D/C at AI // hypical         15 W           • et D/C at AI // hypical         15 W           • et D/C at AI // hypical         15 W           • et D/C at AI // hypical         15 W           • et D/C at AI // hypical         15 W           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U           • et D/C at AI // hypical         12 U	5	48 V
consumed current         0.5 A           • all DC via 24 V (pipel)         0.5 A           • with Power-over-Element according to EEEE802.3 at for type 1 and EEE802.3 at fypel         0.2 A           • with Power-over-Element according to EEEE802.3 at for type 2 / type al         0.3 A           • with Power-over-Element according to EEEE802.3 at for type 2 / type al         0.3 A           • with Power-over-Element according to EEEE802.3 at for type 2 / type al         15 W           • with Power-over-Element according to EEEE802.3 at for type 2 / type al         15 W           • with Power-over-Element according to EEEE802.3 at for type 2 / type al         15 W           • supp / voltage / 1         15 W           • form torminal bock.         20.           • during paratoin         -20 - +60 °C           • during paratoin         -20 - +60 °C           • during transport         -4065 °C		50 V
- if OC / at 24 V/ pipel         0.63 A           - with Provem 2-Bineral according to IEEEB02.3 at or youth 1 and IEEE802.3 at for youth 24 V/ pipel         0.22 A           - with Provem 2-Bineral according to IEEEB02.3 at or youth 24 V/ pipel         0.3 A           - with Provem 2-Bineral according to IEEEB02.3 at or youth 1 and IEEE802.3 at for youth 1 and 1 a	5	
• with Power-over-Emeral according to IEEE802.3 at for byte 1 and IEE802.3 at for yours         0.3 A           • with Power-over-Emerat according to IEEE802.3 at for byte 2 / type1         0.3 A           • with Power-over-Emerat according to IEEE802.3 at for byte 2 / type1         0.3 A           • with Power-over-Emerat according to IEEE802.3 at for byte 1 and IEE802.3 at for yours         10.7 W           • with Power-over-Emerat according to IEEE802.3 at for byte 1 and IEE802.3 at for yours         19. W           • with Power-over-Emerat according to IEEE802.3 at for byte 2 / type2 / type3         19. W           • with Power-over-Emerat according to IEEE802.3 at for byte 2 / type3         19. W           • with Power-over-Emerat according to IEEE802.3 at for byte 2 / type3         19. W           • using portage         -0. +60 °C           • using portage         -0460 °C           • using torage         -0460	consumed current	
hype 1 and IEEE802.341 / bylical         0.3 A           hype 1 cos [W]         0.3 A           hype 1 cos [W]         15 W           hype 1 cos [W]         10 W           hype 2 / hype 1         10 W           hype 1 cos [W]         20 W           hype 1 cos [W]         20 W           hype 1 cos [W]         20 W           hype 1 cos [W]         10 W           hype 1 cos [W]         20 W           hype 1 cos [W]         10 W           hype 1 cos [W]	<ul> <li>at DC / at 24 V / typical</li> </ul>	
hype 2 / typical           power loss (W)           • with Power-ower-Brener according to IEEE802.3st for type 1 and IEEE802.3st / typical         15 W           • with Power-ower-Brenert according to IEEE802.3st for type 2 / typical         15 W           • with Power-ower-Brenert according to IEEE802.3st for type 2 / typical         15 W           • with Power-ower-Brenert according to IEEE802.3st for type 2 / typical         15 W           • from terminal block         28.8 V           ambient temperature         -           • during stroage         -40		0.22 A
i CD C / al 24 V / pipolal       15 W         i with Power-see-Rhennet according to IEEE802.36t for type 1 and IEEE802.36t for yoe 2 / yipolal       15 W         swppby voltage / 1       15 W         i nom terminal block       19.2 V         suppby voltage / 2       -         i nom terminal block       19.2 V         suppty voltage / 2       -         i nom terminal block       20+60 °C         during speration       -20+60 °C         i during timeptor /       -40+65 °C         i during impact       -40+65 °C         genation / maximum       When used under heazatous conditions (Zone 2), the SCALANCE W786-x or W784-x product must be installed in an enclosure. To comply with EN 50221.         production class IP       IP 30         dataph. dimensions and weights       -20 mm         wolf / of the enclosure / without antenna       200 mm         height / of the enclosure / without antenna       17 Na         fastering method       For 35 mm DN real mounting         •37.500 rait mounting	8	0.3 A
• with Power-over-Element according to IEEE802.3 at for       10.7 W         • with Power-over-Element according to IEEE802.3 at for       15 W         • from terminal block       19.2 V         • upply voltage /1       19.2 V         • from terminal block       28.8 V         • from terminal block       28.8 V         • during operation       -0	power loss [W]	
hyme 1 and IEEE802.34 / hybical         IS W           hyme 2 / bylical         IS W           supply voltage / 1         IS W           supply voltage / 1         IS W           supply voltage / 2         IS W           anbient temperature         IS W           - during storage         -40 +65 * C           - during storage         -17 * S           - protection class IP         IP +00 * C	<ul> <li>at DC / at 24 V / typical</li> </ul>	15 W
type 2 / typical         supply voltage / 1           • from terminal block         19.2 V           supply voltage / 2		10.7 W
• from terminal block     19.2 V       supply voltage / 2     •       • from terminal block     28.8 V       ambient conditions     -       aduring sportal     -       • during storage	5	15 W
supply voltage / 2 <ul> <li>irom terminal block</li> <li>28.8 V</li> </ul> amblent temperature <ul> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during operation</li> <li>during operation / maximum</li> <li>90 %</li> </ul> <li>90 %</li> <li></li>	supply voltage / 1	
transfer the main and block     ambient emperature     during operation     during storage     during s	from terminal block	19.2 V
ambient temperature       -20 +60 °C         • during generation       -20 +65 °C         • during transport       -40 +65 °C         • during transport       -40 +65 °C         • during transport       90 %         generation / maximum       90 %         ambient condition / for operation       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, the sendosure must meet the requirements of at least IP 54 in compliance with EN 6023.         protection class IP       IP30         dasign, dimensions and weights       200 mm         height / of the enclosure / without antenna       200 mm         height / of the enclosure / without antenna       79 mm         net weight       1.7 kg         statening method       For 35 mm 10 hall Invanting an additional mounting adapter is required         • S7-300 rail mounting       Yes         • wall mounting       Yes         • or WLAN In 2.4 CHz frequency band       4.9 5.48 CHz; depending on the country approvals         or WLAN In 2.4 CHz frequency band       4.9 5.8 CHz; depending on the country approvals         product function       Yes         number of SSIDs       16         product fu	supply voltage / 2	
ambient temperature       -20 +40 °C         • during sporation       -40 +45 °C         • during transport       -40 +45 °C         • during transport       -40 +45 °C         • relative humidity / at 25 °C / without condensation / during greation / maximum       90 %         ambient condition / for operation       When used under hazardous conditions (Zone 2), the SCALANCE W788 × or W748-x product must be installed in an enclosure. To comply with EN S0021, this enclosure must meet the requirements of at least IP 54 in complance with EN 60529.         protection class IP       IP30         design, dimensions and weights       200 mm         weight / of the enclosure / without antenna       158 mm         depth / of the enclosure / without antenna       158 mm         eS7-1500 rall mounting       Yes         • S7-1500 rall mounting       Yes         • S7-1500 rall mounting       Yes         • for WLAN in 2.6 /Hz frequency band       2.41 2.48 GHz; depending on the country approvals         • for WILAN in 5.6 /Hz frequency band       Yes         • for WILAN in 5.6 /Hz frequency band       Yes         • for WILAN in 5.6 /Hz frequency band       Yes         • for WILAN in 5.6 /Hz frequency band       Yes         • for WILAN in 5.6 /Hz frequency band       Yes         • for WILAN in 5.6 /Hz frequency band		28.8 V
• during storage       40 +85 °C         • during transport       -40 +85 °C         • during transport       90 %         ambient condition / for operation       When used under hazardous conditions (Zone 2), the SCALANCE W788.x or W784.x product must be installed in an endosure. To comply with EN 50021, this endosure must meet the requirements of at least IP 54 in compliance with EN 60529.         protection dass IP       IP30         design, dimensions and weights       1980.         width / of the enclosure / without antenna       158 mm         depth / of the enclosure / without antenna       78 mm         net weight       1.7 kg         fastening method       For 35 mm DIN rail mounting adapter is required         • \$7-1500 rail mounting       Yes         • sol all mounting       Yes         • all forequencies       241 2.48 GHz; depending on the country approvals         product function / Access Point       Yes         product function / Access Point       Yes         • 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 Cleint       Yes; Only in combination only with	•	
• during transport       -40 +85 °C         relative humidity / at 25 °C / without condensation / during operation / maximum       90 %         ambient condition / for operation       When used under hazardous conditions (Zone 2), the SCALANCE W788.v or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure. To comply with EN so or W748.x product must be installed in an enclosure / without antenna         design. dimensions and weights       Wree noissure / without antenna       198 mm         is Sr. 1500 rill mounting       Yes       Yes         • S7.300 rill mounting       Yes       Yes         • all for quenceise       Yes       Yes         or for WLAN in 2.4 GHz frequency band       2.41 2.48 GHz; depending on the country approvals         or WLAN in 5 GHz frequency band       4.9 5.8 GHz; depending on the country approvals         product function / Access Point Mode       Yes         number of SIDB       16         product function / Access Point Mode       Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or KEY-PLUG W740 iFeatu		
relative hundidity / 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.         protection class IP       IP30         design, dimensions and weights       90 %         width / of the enclosure / without antenna       200 mm         height / of the enclosure / without antenna       158 mm         depth / of the enclosure / without antenna       19 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         • \$7.450 rail mounting       Yes         • for WLAN in 2.4 GHz frequency band       2.41 2.48 GHz; depending on the country approvals         • for WLAN in 2.4 GHz frequency band       4.9 5.8 GHz; depending on the country approvals         • for WLAN in 5.4 Chz frequency band       Yes         product function / Access Point Mode       Yes         number of SSIDs       16         product function / Access Point Mode       Yes         • iPCF-Access Point       Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'         • iPCF-Access Point	during storage	
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 50026.           protection class IP         IP30           design, dimensions and weights         with / of the enclosure / without antenna           with / 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           • \$37-300 rail mounting         Yes           • \$35 mm top hat DIN rail mounting         Yes           • or WLAN in 2.4 CHz frequency band         2.41 2.48 CHz; depending on the country approvals           • for WLAN in 5 CHz frequency band         2.41 2.48 CHz; depending on the country approvals           • for WLAN in 5 CHz frequency band         2.41 2.48 CHz; depending on the country approvals           • for WLAN in 5 CHz frequency band         2.41 2.48 CHz; depending on the country approvals           • for WLAN in 5 CHz frequency band         2.41 2.48 CHz; depending on the country approvals           product function / Linet Mode         Yes           product function / Cleint Mode         <		
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       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         • S7-160 rail mounting       Yes         • S7-160 rail mounting       Yes         • S7-160 rail mounting       Yes         • or WLAN in 5 4C Hz frequency band       2.41 2.48 GHz; depending on the country approvals         • or WLAN in 5 4C Hz frequency band       2.41 2.48 GHz; depending on the country approvals         product function / Access Point Mode       Yes         product function / Access Point Mode       Yes         • in PCF 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 the KEY-PLUG W780 iFeatures' or KEY-PLUG         • iPCF-MC client       Yes; Only in combination with the KEY-PLUG W7		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         • 57-300 rail mounting       Yes         • 35 mm top hat DIN rail mounting       Yes         • vall mounting       Yes         • or VLAN 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         • for WLAN in 5 GHz frequency band       4.9 5.8 GHz; depending on the country approvals         product function / Access Point Mode       Yes         number of SSIDs       16         product function       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 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; Only in combination with the 'KEY-PL	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         • \$35 mm top hat DIN rail mounting       Yes         • wall mounting       Yes         • additional mounting       Yes         • additional mounting       Yes         • addition top hat DIN rail mounting       Yes         • addition top hat DIN rail mounting       Yes         radio frequencies       Yes         operating frequency       2.41 2.48 GHz; depending on the country approvals         • for WLAN in 5 CHz frequency band       4.9 5.8 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-MC Access Point       Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'         • IPCF-MC Cleint       Yes; Only in combination with the 'KEY-PLUG W780 iFeatur	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         • \$57-300 rail mounting       Yes         • \$57-1500 rail mounting       Yes         • \$5 mm top hat DIN rail mounting       Yes         • wall mounting       Yes         • adio frequencies       -         operating frequency       2.41 2.48 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 / Access Point Mode       Yes         number of SSIDs       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'         • iPCF-MC Access Point       Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'         • iPCF-MC Cleint       Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'         • iPCF-MC Cleint       Yes; Only in combination with the 'KEY-PL	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         • \$57-1500 rail mounting       Yes         • \$67 ration provide the prov	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         • S7-300 rail mounting       Yes         • S7-1500 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         • of or VLAN 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 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 Clent       Yes; Only in combination with the "KEY-PLUG W780 iFeatures' or "KEY-PLUG W740 iFeatures'         • iPCF-MC Clent       Yes; In combination with the "KEY-PLUG W780 iFeatures' or "KEY-PLUG W740 iFeatures'         • iPCF-MC Clent       <	height / of the enclosure / without antenna	158 mm
fastening method       For 35 mm DIN rail mounting an additional mounting adapter is required         • S7-300 rail mounting       Yes         • S7-1500 rail mounting       Yes         • S7-1500 rail mounting       Yes         • S7 mm top hat DIN rail mounting       Yes         • wall mounting       Yes         • wall mounting       Yes         radio frequencies          operating frequency          • for WLAN in 2.4 GHz frequency band       2.41 2.48 GHz; depending on the country approvals         product factures, product functions, product components / general          product function / Access Point Mode       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-C-capable radio modules       2         product function /	depth / of the enclosure / without antenna	79 mm
fastening method       For 35 mm DIN rail mounting an additional mounting adapter is required         • S7-300 rail mounting       Yes         • S7-1500 rail mounting       Yes         • S7-1500 rail mounting       Yes         • S7 mm top hat DIN rail mounting       Yes         • wall mounting       Yes         • wall mounting       Yes         radio frequencies          operating frequency          • for WLAN in 2.4 GHz frequency band       2.41 2.48 GHz; depending on the country approvals         product factures, product functions, product components / general          product function / Access Point Mode       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-C-capable radio modules       2         product function /	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         radio frequencies       Yes         operating frequency       (for WLAN in 2.4 GHz frequency band         • 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 fleatures, product functions, product components / general       product function / Access Point Mode         product function / Access Point Mode       Yes         number of SIDs       16         product function       (Fer Access Point         • 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'         • 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 Access Point       Yes; Only in combination with 'KEY-PLUG W780 iFeatures'         • IPCF-MC Client       Yes; Only in combination with 'KEY-PLUG W780 iFeatures'         • IPCF-MC Client       Yes; In combination with 'KEY-PLUG W780 iFeatures' or 'KEY		·
• 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 function, product components / generalproduct function / Access Point ModeYesproduct function / Access Point ModeYesproduct function / Client ModeYesnumber of SSIDs16product function• 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' or 'KEY-PLUG W740 iFeatures'• IPCF-MC Access PointYes; 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' or 'KEY-PLUG W740 iFeatures'• IPCF-MC Access PointYes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'• IPCF-MC Access PointYes; 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' or 'KEY-PLUG• IPCF-		
• 35 mm top hat DIN rail mounting       Yes         • wall mounting       Yes         radio frequencies		
• wall mounting       Yes         radio frequencies		
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 function / Access Point Mode       Yes         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 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-AC client       Yes; Only in combination only with 'KEY-PLUG W780 iFeatures'         • iPCF-apable 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 wit		
operating frequency <ul> <li>for WLAN in 2.4 GHz frequency band</li> <li>for WLAN in 5 GHz frequency band</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 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 dient       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 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; Only in combination with '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 / iPRP       Yes; In combinatio		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-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 functions / management, configuration, engineering         8		
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 client       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'         • 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-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' 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 functio		
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 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 '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 / iPR       Yes; In combination with the 'KEY		
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 / iREF       Yes; In combination with the 'KEY-PLUG W780 iFeatures' only         product function / iPRP       Yes; In combination with the 'KEY-PLUG W780 iFeatures' only         product functions / management, configuration, engineering       8	•	
product functionYes; Only in combination with the 'KEY-PLUG W780 iFeatures'• iPCF Access PointYes; 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'• iPCF-MC clientYes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG• 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	•	
• 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• 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-PLUGnumber 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 / iREF       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	•	Vest Only in combination with the WEV DULIO W700 F
• iPCF-MC Access Point       W740 iFeatures'         • iPCF-MC client       Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' '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 / 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 / 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		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 / inanagement, 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       1         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       mumber of manageable IP addresses / in client         8	•	
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	

protocol / is supported	
NTP     SNTP	Yes
	Yes
<ul> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>standards, specifications, approvals</li> </ul>	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	
<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
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	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
<ul> <li>French marine classification society (BV)</li> </ul>	Yes
• DNV GL	Yes
<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	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
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
<ul> <li>to web page: selection aid 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
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax

<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com
security information	
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. Third-party 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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