# **SIEMENS**

### **Data sheet**

## 6GK5788-1FC00-0AB0

#### product type designation



#### W788-1 RJ45 (USA)

product announced for discontinuation; IWLAN Access Point, SCALANCE W788-1 RJ45, 1 radio, 3 R-SMA antenna port, iFeatures support via KEY-PLUG, IEEE 802.11a/b/g/h/n, 2.4/5GHz, 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-W1-RJ-E3, includes: MPCIE-R1-ABGN-U3, scope of delivery: manuals on CD-ROM, German/English, 2x joint blocks; only for operation in the USA.

transfer rate	
transfer rate	
<ul><li>with WLAN / maximum</li></ul>	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
<ul><li>for power supply</li></ul>	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	1
transmission mode / for multiple input multiple output (MIMO)	3x3
number of spatial streams	3
number of electrical connections / for external antenna(s)	3
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	

S7-300 rail mounting S7-1500 rail mounting S7-1500 rail mounting Yes 35 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 For WLAN in 5 GHz frequency band For WLAN in 6 GHz frequency For WLAN i		20
form Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at for type 2 consumed current         • at DC / at 24 V / typical         • with Power-over-Ethernet according to IEEE802.3at for type 2 consumed current         • at DC / at 24 V / typical         • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at / typical         power loss [W]         • at DC / at 24 V / typical             • for type 1 and IEEE802.3at / typical             • form terminal block             • supply voltage / 1		DC
for type 1 and IEEEB02.3at for type 2 for type 3 for type 2  at DC / at 24 V / typical  at CC / at 24 V / typical  at DC /	,	40.1/
From Power-over-Ethernet according to IEEE802.3at for type 2		48 V
for type 2 consumed current  • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at / typical  power loss [W] • at DC / at 24 V / typical • at DC / at 24 V / typical  • at DC / at 24 V / typical  • at DC / at 24 V / typical  • at DC / at 24 V / typical  • from terminal block  supply voltage / 1 • from terminal block  supply voltage / 2 • from terminal block  ambient temperature • during operation • during storage • during transport  • during storage • during transport  • during storage • during transport  • during from the power of the CC  • during storage • during transport  • during the storage • during transport  • during t		50 V
a tit DC / at 24 V / typical with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3at / typical power loss [W] a tit DC / at 24 V / typical y at DC / at 24 V / typical supply voltage / 1 for time trainial block supply voltage / 2 from terminal block 28.8 V supply voltage / 2 from terminal block supply voltage / 2 from terminal block 28.8 V supply voltage / 2 from terminal block 28.8 V supply voltage / 2 from terminal block 28.8 V supply voltage / 2 from terminal block 40 +85 °C 40	· · · · · · · · · · · · · · · · · · ·	
with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical power loss [W]  • at DC / at 24 V / typical 10.7 W supply voltage / 1  • from terminal block 19.2 V supply voltage / 1  • from terminal block 28.8 V supply voltage / 2  • from terminal block 28.8 V supply voltage / 2  • from terminal block 28.8 V supply voltage / 2  • from terminal block 28.8 V supply voltage / 2  • from terminal block 28.8 V supply voltage / 2  • from terminal block 28.8 V supply voltage / 2  • from terminal block 28.8 V supply voltage / 2  • during operation - 40 + 85 ° C  • during storage - 40 + 85 ° C  • during transport - 40 + 85 ° C  • What used under hazardous conditions (Zone 2), the SCALANCE W788 • row W788 • ro	consumed current	
for type 1 and IEEE802.3af / typical power loss [W]  * at DC / at 24 V / typical supply voltage / 1  * from terminal block supply voltage / 2  * from termin	• at DC / at 24 V / typical	0.45 A
power loss [W]  at DC / at 24 V / typical  supply voltage / 1  from terminal block  supply voltage / 2  from terminal block  ambient conditions  ambient temperature  during operation  during storage  during transport  relative humidity / at 25 °C / without condensation / during operation / maximum  ambient condition / for operation  with EN 50021, this enclosure relative humidity of at 25 °C / without condensation / during operation / maximum  ambient condition / for operation  with FN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  protection class IP  design, dimensions and weights  width / of the enclosure / without antenna  depth / of the enclosure / without antenna  net weight  fastening method  \$ \$7.300 rail mounting  \$ \$35 mm top hat DIN rail mounting  \$ \$75.7500 rail mounting  \$ \$75.7500 rail mounting  \$ \$75.7500 rail mounting  \$ \$76.00 rail m		0.22 A
**at DC / at 24 V / typical		
supply voltage / 1  • from terminal block  supply voltage / 2  • from terminal block  supply voltage / 2  • from terminal block  ambient temperature  • during operation  • during storage  • during transport  relative humidity / at 25° C / without condensation / during operation / maximum  ambient condition / for operation  When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x product must be installed in an enclosure. To compute the requirements of at least 54 in compliance with EN 60529.  IP30  design, dimensions and weights  width / of the enclosure / without antenna height / of the enclosure / without antenna height / of the enclosure / without antenna net weight  57-300 rail mounting  • S7-300 rail mounting  • S7-30 rail mountin		40.714
** from terminal block		10.7 VV
supply voltage / 2  • from terminal block ambient complitions ambient temperature • during operation • during storage • during storage • during transport  relative humidity / at 25 °C / without condensation / during operation / maximum  ambient condition / for operation  When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W7-48-x product must be installed in an enclosure. To comy with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  design, dimensions and weights width / of the enclosure / without antenna height / of the enclosure / without antenna height / of the enclosure / without antenna height / of the enclosure / without antenna het weight  1.7 kg fastening method • S7-300 rail mounting • Yes  vall mounting  * Yes  vall mounting  * Yes  operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band • for WLAN in 6 GHz		19.2 V
## from terminal block ## ambient temperature ## during storage ## during transport ##		10.2 ¥
ambient temperature  • during operation  • during storage  • during transport  relative humidity / at 25 °C / without condensation / during operation / maximum  ambient condition / for operation  When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x product must be installed in an enclosure. To comy with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  design, dimensions and weights  width / of the enclosure / without antenna     height / of the enclosure / without antenna     depth / of the nenclosure / without antenna     very maximum      very m	,	28.8 V
ambient temperature  • during operation  • during storage  • during transport  relative humidity / at 25 °C / without condensation / during operation / maximum  ambient condition / for operation  When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x product must be installed in an enclosure. To comy with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  design, dimensions and weights  width / of the enclosure / without antenna     height / of the enclosure / without antenna     depth / of the nenclosure / without antenna     very maximum      very m	ambient conditions	
during operation     during storage     during transport  relative humidity / at 25 °C / without condensation / during operation / maximum  ambient condition / for operation  When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x product must be installed in an enclosure. To comy with EN 50021, this enclosure must be installed in an enclosure. To comy with EN 50021, this enclosure must be installed in an enclosure. To comy with EN 50021, this enclosure must be installed in an enclosure. To comy with EN 50021, this enclosure must be installed in an enclosure. To comy with EN 50021, this enclosure must be installed in an enclosure. To comy with EN 50021, this enclosure with EN 60529.  IP30  I		
oluring storage     oluring transport relative humidity / at 25 °C / without condensation / during peration / maximum  ambient condition / for operation  with EN 50021, this enclosure must be installed in an enclosure. To comy with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  design, dimensions and weights  width / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 4epth / of the enclosure / without antenna 79 mm net weight fastening method For 35 mm DIN rall mounting an additional mounting adapter is require 9.57-1500 rail mounting 7 yes 9.57-1500 rail mounting 7 yes 9.58 mm top hat DIN rall mounting 7 yes quall mounting 7 yes portating frequency 9 for WLAN in 2.4 GHz frequency band 4.9 5.8 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals 7 yes product features. product functions, product components / general 7 yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' or 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' or 'KEY-PLUG W74	•	-20 +60 °C
• during transport relative humidity / at 25 °C / without condensation / during operation / maximum ambient condition / for operation  When used under hazardous conditions (Zone 2), the SCALANCE W788-x or W748-x product must be installed in an enclosure. To comp with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  IP30  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 57-300 rail mounting 49 s 69 s 60 mm 100	· .	
relative humidity / at 25 °C / without condensation / during operation / maximum  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 comy with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  design, dimensions and weights  width / of the enclosure / without antenna height / of the enclosure / without antenna depth / of the enclosure / without antenna 158 mm depth / of the enclosure / without antenna net weight fastening method • S7-300 rail mounting • S7-1500 rail mounting • S7-1500 rail mounting • wall mounting • wall mounting • wall mounting • wall mounting radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band •		
operation / maximum 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 comy with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  design, dimensions and weights  width / of the enclosure / without antenna		
with EN 50021, this enclosure must be installed in an enclosure. To comy with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  design, dimensions and weights width / of the enclosure / without antenna height / of the enclosure / without antenna depth / of the enclosure / without antenna net weight 1.7 kg fastening method • \$7-300 rail mounting • \$7-300 rail mounting • \$7-35 mm DIN rail mounting an additional mounting adapter is require • \$7-300 rail mounting • \$7-1500 rail mounting • \$7-300 rail mounting • \$7-35 mm DIN rail mounting an additional mounting adapter is require • \$7-35 mm DIN rail mounting an additional mounting adapter is require • \$7-35 mm DIN rail mounting an additional mounting adapter is require • \$7-300 rail mounting • \$7-35 mm DIN rail mounting an additional mounting adapter is require • \$7-35 mm DIN rail mounting an additional mounting adapter is require • \$7-35 mm DIN rail mounting an additional mounting adapter is require • \$7-85 mm DIN rail mounting an additional mounting adapter is require • \$7-80 rail mounting an additional mounting an additional mounting and additional mounting and require is required • \$7-80 rail mounting an additional mounting and require is required • \$7-150 rail mounting an additional mounting and require is required. • \$7-150 rail mounting and additional mounting and required	operation / maximum	
with EN 50021, this enclosure must meet the requirements of at least 54 in compliance with EN 60529.  protection class IP  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 57-350 rail mounting Yes 57-300 rail mounting 49 yes 9.35 mm top hat DIN rail mounting Yes 9.35 mm top hat DIN rail mounting Yes 9.35 mm top hat DIN rail mounting Yes 9.41 m. 2.48 GHz; depending on the country approvals 9.57 GPT Yes 9.58 GHz; depending on the country approvals 9.59 Product function / client Mode Yes 9.59 Product function / client Mode Yes 9.50 Product function 9.	ambient condition / for operation	
protection class IP  design, dimensions and weights  width / of the enclosure / without antenna height / of the enclosure / without antenna depth / of the enclosure / without antenna 158 mm  depth / of the enclosure / without antenna net weight 1.7 kg fastening method S7-300 rail mounting Yes 35 mm top hat DIN rail mounting Wall mounting Yes wall mounting For 35 mm DIN rail mounting adapter is require wall mounting Yes operating frequency for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band for WLAN in 5 GHz frequency band Forduct function / Access Point Mode product function / Access Point Mode Nes Conly in combination with the 'KEY-PLUG W780 iFeatures' Nes Conly in combination with the 'KEY-PLUG W780 iFeatures' PLUG W740 iFeatures'  number of iPCF-MC client  No PEG-MC Client No No No IFEA con Mithout antenna 200 mm No No Medical Enters (Without antenna) 158 mm No N		
width / of the enclosure / without antenna height / of the enclosure / without antenna height / 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 require S7-300 rail mounting Yes 35 mm top hat DIN rail mounting Yes wall mounting Yes operating frequencies operating frequency for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band for WLAN in 5 GHz frequency band Yes product function / Access Point Mode Yes product function / Client Mode number of SSIDs product function iPCF Access Point iPCF Access Point PCF-MC Access Point PCF-MC Client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' or		
width / of the enclosure / without antenna height / of the enclosure / without antenna depth / of the enclosure / without antenna depth / of the enclosure / without antenna 79 mm net weight 1.7 kg fastening method S7-300 rail mounting Yes S7-300 rail mounting Yes 35 mm top hat DIN rail mounting Yes wall mounting Yes operating frequencis operating frequency of or WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band for WLAN in 5 GHz frequency band Yes product function / Access Point Mode Yes product function / client Mode number of SSIDs product function iPCF Access Point iPCF-MC Access Point iPCF-MC Access Point iPCF-MC Access Point PiCF-MC Client Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'	protection class IP	IP30
height / of the enclosure / without antenna  depth / of the enclosure / without antenna  net weight  fastening method  • S7-300 rail mounting  • S7-300 rail mounting  • S7-1500 rail mounting  • 35 mm top hat DIN rail mounting  • wall mounting  • wall mounting  • for WLAN in 2.4 GHz frequency band  • for WLAN in 5 GHz frequency  • for WLAN i	design, dimensions and weights	
depth / of the enclosure / without antenna  net weight  fastening method  • S7-300 rail mounting  • S7-1500 rail mounting  • wall mounting  • wall mounting  radio frequencies  operating frequency  • for WLAN in 2.4 GHz frequency band  • for WLAN in 5 GHz frequency  • for WLAN in	width / of the enclosure / without antenna	200 mm
net weight  fastening method	height / of the enclosure / without antenna	158 mm
fastening method  S7-300 rail mounting  S7-300 rail mounting  Tyes  Tyes  Tadio frequencies  Operating frequency  For WLAN in 2.4 GHz frequency band  For WLAN in 5 GHz frequency band  Tyes  Troduct features, product functions, product components / general  For 35 mm DIN rail mounting an additional mounting adapter is required.  Tyes  Tyes  Tadio frequencies  Operating frequency  For WLAN in 2.4 GHz frequency band  For WLAN in 5 GHz frequency band  Tyes	depth / of the enclosure / without antenna	79 mm
S7-300 rail mounting S7-300 rail mounting S7-1500 rail mounting S7-1500 rail mounting Yes S7-1500 rail rail rail rail rail rail rail rail	net weight	1.7 kg
S7-1500 rail mounting     35 mm top hat DIN rail mounting     wall mounting     yes     wall mounting     yes  radio frequencies  operating frequency     for WLAN in 2.4 GHz frequency band     for WLAN in 5 GHz frequency band     for WLAN in 5 GHz frequency band     for WLAN in 5 GHz frequency band  product features, product functions, product components / general  product function / Access Point Mode  product function / client Mode  number of SSIDs  product function  iPCF Access Point  iPCF client  iPCF-MC Access Point  iPCF-MC Access Point  iPCF-MC dient  number of iPCF-capable radio modules  yes  number of iPCF-capable radio modules  1	fastening method	For 35 mm DIN rail mounting an additional mounting adapter is required
* 35 mm top hat DIN rail mounting     * wall mounting     * yes  radio frequencies  operating frequency     * for WLAN in 2.4 GHz frequency band     * for WLAN in 5 GHz frequency	<ul> <li>S7-300 rail mounting</li> </ul>	Yes
■ wall mounting     Tadio frequencies  operating frequency     ■ for WLAN in 2.4 GHz frequency band     ■ for WLAN in 5 GHz frequency band     ■ for WLAN in 5 GHz frequency band     ■ for WLAN in 5 GHz frequency band  product features, product functions, product components / general  product function / Access Point Mode  product function / client Mode  yes  number of SSIDs  product function  ■ iPCF Access Point  ■ iPCF client  ■ iPCF-MC Access Point  ■ iPCF-MC Client  No  yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KE PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No  No  No  No  No  No  No  No  No  N	S7-1500 rail mounting	Yes
radio frequencies  operating frequency  ● for WLAN in 2.4 GHz frequency band  Operating frequency  Operating on the country approvals  Operating on the country approvale  Operating on the country approvale	<ul> <li>35 mm top hat DIN rail mounting</li> </ul>	Yes
operating frequency	<ul> <li>wall mounting</li> </ul>	Yes
<ul> <li>for WLAN in 2.4 GHz frequency band</li> <li>for WLAN in 5 GHz frequency band</li> <li>for WLAN in 2.48 GHz; depending on the country approvals</li> <li>for WLAN in 5 GHz frequency band</li> <li>for WLAN in 5 GHz frequency band</li> <li>fent GHz frequency</li> <li>fent GHz</li></ul>	radio frequencies	
<ul> <li>◆ for WLAN in 5 GHz frequency band</li> <li>4.9 5.8 GHz; depending on the country approvals</li> <li>product features, product functions, product components / general</li> <li>product function / Access Point Mode</li> <li>product function / client Mode</li> <li>number of SSIDs</li> <li>product function</li> <li>iPCF Access Point</li> <li>iPCF client</li> <li>iPCF-IDC Glient</li> <li>iPCF-MC Access Point</li> <li>iPCF-MC Access Point</li> <li>iPCF-MC Client</li> <li>iPCF-MC client</li> <li>iPCF-MC client</li> <li>iPCF-MC client</li> <li>iPCF-MC client</li> <li>iPCF-Capable radio modules</li> <li>1</li> </ul>	operating frequency	
product function / Access Point Mode product function / client Mode product function / client Mode product function / client Mode yes number of SSIDs product function iPCF Access Point iPCF client product function iPCF-MC Access Point iPCF-MC Access Point iPCF-MC Access Point iPCF-MC Access Point product function yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' No yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'		2.41 2.48 GHz; depending on the country approvals
product function / Access Point Mode product function / client Mode Yes number of SSIDs product function  • iPCF Access Point • iPCF client  • iPCF-MC Access Point • iPCF-MC client  • iPCF-capable radio modules  1		4.9 5.8 GHz; depending on the country approvals
product function / client Mode  number of SSIDs  product function  iPCF Access Point  iPCF client  iPCF-MC Access Point  iPCF-MC dient  iPCF-MC client  Tes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KE PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  1	product features, product functions, product components	/ general
number of SSIDs  product function  iPCF Access Point  iPCF client  Pug W740 iFeatures'  iPCF-MC Access Point  iPCF-MC client  iPCF-MC client  No  Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KE PLUG W740 iFeatures'  No  Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  No  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  1	product function / Access Point Mode	Yes
product function  • iPCF Access Point  • iPCF client  • iPCF client  • iPCF-MC Access Point  • iPCF-MC Access Point  • iPCF-MC decess Point  • iPCF-MC client  • iPCF-MC client  • iPCF-MC client  • iPCF-MC client  • iPCF-Capable radio modules  1	product function / client Mode	Yes
<ul> <li>iPCF Access Point</li> <li>iPCF client</li> <li>iPCF client</li> <li>iPCF-MC Access Point</li> <li>iPCF-MC Access Point</li> <li>iPCF-MC client</li> <li>iPCF-MC client</li> <li>iPCF-MC dient</li> <li>iPCF-MC client</li> <li>iPCF-MC dient</li> <li>iPCF-MC dient</li> <li>iPCF-MC dient</li> <li>iPCF-MC dient</li> <li>Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'</li> <li>number of iPCF-capable radio modules</li> </ul>	number of SSIDs	8
<ul> <li>iPCF client</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KE PLUG W740 iFeatures'</li> <li>iPCF-MC Access Point</li> <li>iPCF-MC client</li> <li>Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'</li> <li>number of iPCF-capable radio modules</li> </ul>	product function	
PLUG W740 iFeatures'  • iPCF-MC Access Point  • iPCF-MC client  • iPCF-MC client  PLUG W740 iFeatures'  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  1	• iPCF Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'
● iPCF-MC Access Point  ● iPCF-MC client  Pugs; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  number of iPCF-capable radio modules  1	• iPCF client	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-
• iPCF-MC client  Yes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'  number of iPCF-capable radio modules  1	TROE MO A RESTAURA	
PLUG W740 iFeatures' number of iPCF-capable radio modules 1		
number of iPCF-capable radio modules 1	• IPCF-IVIC CIIENT	
	number of iPCF-capable radio modules	
		Yes; In combination only with 'KEY-PLUG W780 iFeatures'
number of iREF-capable radio modules 1	<u> </u>	-
product function / iPRP  Yes; In combination with the 'KEY-PLUG W780 iFeatures' only		
product functions / management, configuration, engineering		
number of manageable IP addresses / in client 8		
product function		
• CLI Yes	•	Yes
web-based management     Yes	web-based management	Yes

MID account	V
MIB support	Yes
• TRAPs via email	Yes
• configuration with STEP 7	Yes
• configuration with STEP 7 in the TIA Portal	Yes
operation with IWLAN controller	No
operation with Enterasys WLAN controller	No
• forced roaming on IP down with IWLAN	Yes
• forced roaming on link down with IWLAN	Yes
• WDS	Yes
protocol / is supported	
<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
I&M1 – higher level designation/location designation	Yes
product functions / diagnostics	
product function	
<ul> <li>PROFINET IO diagnosis</li> </ul>	Yes
<ul><li>link check</li></ul>	No
<ul> <li>connection monitoring IP-Alive</li> </ul>	No
<ul> <li>localization via Aeroscout</li> </ul>	Yes
SysLog	Yes
protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
product functions / VLAN	
product function	
<ul> <li>function VLAN with IWLAN</li> </ul>	Yes
product functions / DHCP	
product function	
DHCP client	Yes
DHCP server	Yes
DHCP Option 82	Yes
product functions / redundancy	
protocol / is supported	
STP/RSTP	Yes
• MSTP	Yes
• RSTP	Yes
product functions / security	
product functions / security	
ACL - MAC-based	Yes
Mac-based     management security, ACL-IP based	Yes
	Yes
<ul> <li>IEEE 802.1x (radius)</li> <li>NAT/NAPT</li> </ul>	Yes No
	Yes
<ul> <li>access protection according to IEEE802.11i</li> <li>WPA/WPA2</li> </ul>	Yes
TKIP/AES  protocol / is supported.	Yes
protocol / is supported  • SSH	Yes
RADIUS  Product functions / times	Yes
product functions / time	
protocol / is supported	

• NTP	Yes
• SNTP	Yes
SIMATIC time synchronization (SIMATIC Time)	Yes
standards, specifications, approvals	
standard	
• for FM	FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4
<ul> <li>for safety / from CSA and UL</li> </ul>	UL 60950-1, CSA C22.2 No. 60950-1
certificate of suitability	
<ul> <li>EC Declaration of Conformity</li> </ul>	Yes
CE marking	Yes
• C-Tick	Yes
<ul><li>● E1 approval</li></ul>	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     Device over 5th creek according 1555002 2ct for	No Voc
Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af  Proved over Ethernet according to IEEE802.3at for	Yes
Power-over-Ethernet according to IEEE802.3at for type 2	Yes
standard for wireless communication	V
• IEEE 802.11a	Yes
• IEEE 802.11b	Yes
• IEEE 802.11e	Yes
• IEEE 802.11g	Yes
	Yes 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	n
Marine classification association	V
American Bureau of Shipping Europe Ltd. (ABS)  Formula receive a localifaction assists (B)()	Yes
<ul> <li>French marine classification society (BV)</li> <li>DNV GL</li> </ul>	Yes Yes
	Yes
<ul><li>Korean Register of Shipping (KRS)</li><li>Lloyds Register of Shipping (LRS)</li></ul>	Yes
Nippon Kaiji Kyokai (NK)	Yes
Polski Rejestr Statkow (PRS)	Yes
Royal Institution of Naval Architects (RINA)	Yes
standards, specifications, approvals / hazardous environn	
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
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
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	http://www.sianaanaanaanaanaanaanaanaanaanaanaanaana
to website: TIA Selection Tool	http://www.siemens.com/tia-selection-tool
to web page: selection aid TIA Selection Tool     to the probable IMM AN	http://www.siemens.com/tia-selection-tool
to the website: IWLAN     to website: Industry Mell	http://www.siemens.com/iwlan
to website: Industry Mall     to website: Information and Download Center	https://mall.industry.siemens.com
to website: Information and Download Center     to website: Image database	http://www.siemens.com/industry/infocenter
to website: Image database	http://automation.siemens.com/bilddb

to website: CAx-Download-Managerto website: Industry Online Support

http://www.siemens.com/cax https://support.industry.siemens.com

security information

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