SIEMENS

Data sheet

6GK5788-2GD00-0AB0



W788-2 M12 (USA)

IWLAN Access Point, SCALANCE W788-2 M12, 2 radios, 6 N-CON antenna port, iFeatures support via KEY-PLUG, IEEE 802.11a/b/g/h/n, 2.4/5 GHz, gross 450 Mbps per radio, 1x M12 max. 1 Gbps, PoE, redundant 24 V DC,M12 A-coded IP65, -20..+60 °C, plug slot, WPA2/802.11i/e, observe national approvals! CERT ID: RAPN-W2-M12-E3, includes: MPCIE-R1-ABGN-U3, FCC ID: LYHMPCIE1V1 scope of delivery: manuals on CD-ROM, German/English, M12 sealing caps, only for operation in the USA.

transfer rate	
transfer rate	
with WLAN / maximum	450 Mbit/s
for Industrial Ethernet	10, 100, 1000 Mbit/s
transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	1000 Mbit/s
interfaces	
number of electrical connections	
 for network components or terminal equipment 	1
 for power supply 	1
 for redundant voltage supply 	1
type of electrical connection	
 for network components or terminal equipment 	M12 interface (8-pole, X-coded), PoE
• for power supply	M12 interface (4-pole, A-coded)
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)	N-Connect (socket)
product feature / external antenna can be mounted directly on device	Yes
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	
 from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af 	48 V
 from Power-over-Ethernet according to IEEE802.3at for type 2 	50 V
consumed current	
• at DC / at 24 V / typical	0.63 A
 with Power-over-Ethernet according to IEEE802.3at for 	0.22 A

sub Prove 0.3.A power loss (M) 15.W sub Prove 15.W sub Prove 15.W sub Prove 10.7.M 24.V / splcal sub Prove 10.7.V 24.V / splcal sub Prove 10.7.V 24.V / splcal sup Prove 10.7.V 24.V / splcal sup Prove 10.7.V 24.V / splcal sup Prove 20.V / splcal	type 1 and IEEE802 2 of / typical	
https://prover/set/functional 15 W ever loss (V) 15 2 V ever loss (V) 15 2 V ever loss (V) 28 8 V ever loss (V) 28 8 V ever loss (V) 28 0 V ever loss (V) 29	type 1 and IEEE802.3af / typical	0.3.4
power task (V) • IEUC 47.4.2 / Vipplail • UP Care 24.4. / Vipplail / UP Care 24.4.	5	0.07
• with Power-one-Emert according to IEEE/02.34 for type 1 and IEE/02.34 f/ Vypeal 10.7 W • with Power-one-Emert according to IEEE/02.34 for type 2 / type 2/ experiment according to IEEE/02.34 for type 2 / type 2 / type 2/ experiment according to IEEE/02.34 for type 2 / type 2 / type 2/ experiment according to IEEE/02.34 for type 2 / type 2	power loss [W]	
swith Power-owner-Element according to IEEEB02.3 at for type2 / typical 15 W supply voltage / 1 19.2 V supply voltage / 1 19.2 V supply voltage / 1 19.2 V supply voltage / 2 19.2 V aniset tomperature 28.8 V aniset tomperature -0	at DC / at 24 V / typical	15 W
• with Power-over-Element according to IEEER02.34 for type 2 / types/ pypes/speed 15 W supply voltage / 1 19 2 V • from M12 Power Connector (A-coded) for redundant power supply 19 2 V supply voltage / 2 28 8 V • and M2 Power Connector (A-coded) for redundant power supply 28 8 V antident conditions - 40 - 6 °C • during strong prestion - 40 - 6 °C • during strong prestion - 40 - 6 °C • during strong prestion - 40 - 6 °C • during strong prestion - 90 °K • during strong prestion - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 6 °C • during strong transport - 40 - 7 °C • during strong transport	 with Power-over-Ethernet according to IEEE802.3at for 	10.7 W
hype 2 / hypeal supply voltage / 1 in m M12 Power Connector (A-coded) for redundant power supply voltage / 2 supply voltage / 2 in m M12 Power Connector (A-coded) for redundant power supply voltage / 2 in m M12 Power Connector (A-coded) for redundant power supply voltage / 2 in m M12 Power Connector (A-coded) for redundant power supply voltage / 2 in minert simperature • during strangont • during strangont • during strangont indivert stranget / 22 : '' voltaut condensation / during power supply voltage / 22 : '' voltaut condensation / during power supply voltage / 22 : '' voltaut condensation / during power supply voltage / 22 : '' voltaut condensation / during power supply voltage / 23 : '' voltaut condensation / during power supply voltage / 23 : '' voltaut condensation / during power supply voltage / 23 : '' voltaut condensation / during power supply voltage / 23 : '' voltaut condensation / during power supply voltage / 23 : '' voltaut condensation / during power supply voltage / 23 : '' voltaut condensation / during power supply voltage / 23 : '' voltaut condensation / voltaut antenna / 78 mm protection class IP IF e6 design / differences / voltaut antenna / 78 mm 24 : '' 24 : '' 24 : '''''''''''''''''''	type 1 and IEEE802.3af / typical	
inform M12 Power Connector (A-coded) for redundant power supply. 19.2 V supply voltage / 2		15 W
power supply	supply voltage / 1	
inform Miz Power Connector (A-coded) for redundant power supply 28.8 V ambient conditions and information in the information informatinformatinformatinformation information information i		19.2 V
power supply amblent temperature • during storage • during transport • during traduring transport <	supply voltage / 2	
ambient conditions		28.8 V
ambient temperature -20 +60 °C • during sporation -20 +60 °C • during storage -40 +85 °C • during transport -40 +85 °C relative humidity /1 25 °C / without condensation / during 90 % operation / maximum 90 % ambient condition / for operation Wren used under hazardous conditions (Zone 2), the SCALANCE W788.x or Wren used under hazardous conditions (Zone 2), the SCALANCE W788.x or Wren used under hazardous conditions (Zone 2), the SCALANCE W788.x or Wren used under hazardous rotations with EN 60529. protection class IP IP86 design dimensions and weights IP86 design dimensions and weights IP86 design dimensions and weights 17 km depth / of the enclosure / without antenna 79 mm net weight 1.7 kg destening method For 45 mm DN Nail mounting an additional mounting adapter is required • S7.300 rail mounting Yes valid frequency Operating frequency • for WLAN in 2.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals product function / Access Point Mode Yes • FOR Access Point Mode Yes • IPOF-MC Access Point Mode Yes • IPOF-MC Access Point Yes; Only in combination with the KEY-PLUG W780 Features' • IPOF-MC Cleint <t< td=""><td></td><td></td></t<>		
 during speration 40 +48 °C -40 +48 °C -40		
during strange during transport during	-	-20 +60 °C
during transport during transport during transport during transport during transport during transmum		
relative humidity at 25°C / without condensation / during 90 % geparation / maxmum 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 EM 50021, the N0529. protection class IP IP66 design_dimensions and weights IP66 design_dimensions and weights IP66 design_dimensions and weights 176 mm helght / of the enclosure / without antenna 176 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 • 35 m top hat DIN rail mounting Yes • add for quences Yes • add for quences 241 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 Yes • for WLAN in 5 GHz frequency band Yes • for WLAN in 5 GHz frequency band 4.9 5.8 GHz; depending on the country approvals • for WLAN in 5 GHz frequency band Yes • for WLAN in 5 GHz frequency band 4.9 5.8 GHz; depending on the country approvals • for WLAN in 5 GHz frequency band Yes • for WLAN in 5 GHz frequen		
operation / maximum When used under hazardous conditions (Zone 2), the SCALANCE W784-x or W743-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 60020. protection class IP IP65 design, dimensions and weights 200 mm width / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 76 mm edgth / of the enclosure / without antenna 70 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 \$5.7 Sto0 rail mounting Yes * S7.300 rail mounting Yes * or 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 S.8 GHz; depending on the country approvals • for WLAN in 5.4 Iz frequency band Yes • for WLAN in 6 GHz frequency Yes product function / cleent Mode Yes number of SSIDB 16 product function / cleent Mode Yes • IPCF-MC Access Point Yes: Only in combination with the 'K		
W748-x product must be installed in an enclosure. To comply with EN 60021, this enclosure must meet the requirements of at least IP 54 in compliance with EN 60528. protection class IP IP65 design, dimensions and weights 200 mm width / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 79 mm depth / of the enclosure / without antenna 79 mm etwight 1.7 kg fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • \$7-300 rail mounting Yes • \$7500 rail mounting Yes • \$7500 rail mounting Yes • \$7500 rail mounting Yes • for WLAN in S 4Hz frequency band 2.41 2.48 GHz; depending on the country approvals • for WLAN in S 4Hz frequency band 2.41 2.48 GHz; depending on the country approvals • for WLAN in S 4Hz frequency band 2.41 2.48 GHz; depending on the country approvals • for WLAN in S 4Hz frequency band Yes • for WLAN in S 4Hz frequency band Yes • for WLAN in S 4Hz frequency band Yes • for WLAN in S 4Hz frequency band Yes • for CHz frequency Yes • for WLAN in S 4Hz frequency general product function / cleent Yes • iPCF-MC Access Point Yes </td <td></td> <td></td>		
design, dimensions and weights width / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 176 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 • or WLAN in 2.4 OEX frequency band 4.9 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 Yes • iFCF Access Point Yes • iFCF Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iFCF-Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iFCF-Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iFCF-Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iFCF-Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iFCF-Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' • iFCF-Acc	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
width / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 176 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 • \$36 mm top hat DIN rail mounting Yes • add to frequencies Yes operating frequency 2.41 2.48 GHz; depending on the country approvals • for WLAN in 5 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 • 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-Capable radio modules 2 product function / IREF No; In combination with the 'KEY-PLUG W780 iFeatures' • IPCF-capable radio modules 2 product function / IREF No; In combination with the 'KEY-PLUG W780 iFeatures' number of IPCF-capable radio modules	protection class IP	IP65
width / of the enclosure / without antenna 200 mm height / of the enclosure / without antenna 176 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 • \$36 mm top hat DIN rail mounting Yes • add to frequencies Yes operating frequency 2.41 2.48 GHz; depending on the country approvals • for WLAN in 5 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 • 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-Capable radio modules 2 product function / IREF No; In combination with the 'KEY-PLUG W780 iFeatures' • IPCF-capable radio modules 2 product function / IREF No; In combination with the 'KEY-PLUG W780 iFeatures' number of IPCF-capable radio modules	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 • S7.300 rail mounting Yes • S7.1500 rail mounting Yes • vall mounting Yes • vall mounting Yes • vall mounting Yes • or WLAN in 5.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals • or WLAN in 5.4 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 product function / client Mode Yes or PCF 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 the 'KEY-PLUG W780 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'	width / of the enclosure / without antenna	200 mm
net weight 1.7 kg festening method For 35 mm DIN rail mounting an additional mounting adapter is required • 57-300 rail mounting Yes • S7-500 rail mounting Yes • Vall mounting Yes • vall mounting Yes operating frequency or WLAN in 2.4 GHz frequency band • 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 number of SSIDs 16 product function Yes; Only in combination with the "KEY-PLUG W780 iFeatures' or "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' number of iPCF-capable radio modules 2 product functio	height / of the enclosure / without antenna	176 mm
fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • 57-3500 rail mounting Yes • 35 mm top hat DIN rail mounting Yes • add mounting Yes radio frequencies operating frequency • for WLAN in 5.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals product features, product functions, product components / general product function / client 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 Client Yes; Only in combination with the "KEY-PLUG W780 IFeatures' number of IPCF-capable radio modules 2 product function / IREF No; In combination with "KEY-PLUG W780 IFeatures' number of iREF-capable radio modules 2 product	depth / of the enclosure / without antenna	79 mm
fastening method For 35 mm DIN rail mounting an additional mounting adapter is required • 57-3500 rail mounting Yes • 35 mm top hat DIN rail mounting Yes • add mounting Yes radio frequencies operating frequency • for WLAN in 5.4 GHz frequency band 2.41 2.48 GHz; depending on the country approvals product features, product functions, product components / general product function / client 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 Client Yes; Only in combination with the "KEY-PLUG W780 IFeatures' number of IPCF-capable radio modules 2 product function / IREF No; In combination with "KEY-PLUG W780 IFeatures' number of iREF-capable radio modules 2 product		1.7 kg
• S7-1500 rail mounting Yes • 35 mm top hat DIN rail mounting Yes • wall mounting Yes radio frequencies		
• 35 mm top hat DIN rail mounting Yes • wall mounting Yes radio frequencies	 S7-300 rail 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 GLE for Cacess Point fiPCF Access Point fiPCF Access Point fiPCF-MC Access Poin	S7-1500 rail mounting	Yes
radio frequencies operating frequency • for WLAN in 2.4 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 product function / clent Mode number of SSIDs 16 product function • iPCF Access Point • iPCF client • iPCF-ficient • iPCF-MC Access Point • iPCF-MC client • iPCF-MC client • iPCF-MC client • 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-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 No; In combination only with 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function / iPRP <td>35 mm top hat DIN rail mounting</td> <td>Yes</td>	35 mm top hat DIN rail mounting	Yes
operating frequency for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band for Ch Grapable radio modules for GHz	wall mounting	Yes
• 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 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 W740 iFeatures' • iPCF-MC Access Point Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Celent Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' • iPCF-MC Cleint Yes; Only in combination with 'KEY-PLUG W780 iFeatures' • iPCF-AC cleint Yes; Only in combination with 'KEY-PLUG W780 iFeatures' • iPCF-C-MC Cleint Yes; Only in combination only with 'KEY-PLUG W780 iFeatures' number of iPCF-capable radio modules 2 product function / iREF No; In combination only with 'KEY-PLUG W780 iFeatures' only number of manageable radio modules 2 product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product functions / inanageable radio modules 2	radio frequencies	
• for WLAN in 5 GHz frequency band 4.95.8 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 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 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 No; In combination only with '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 IP addresses / in client 8 product function Yes <td>operating frequency</td> <td></td>	operating frequency	
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' • 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 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 No; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product functions / management, configuration, engineering Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function Features' in client 8 product function Yes • web-based management Yes <td> for WLAN in 2.4 GHz frequency band </td> <td>2.41 2.48 GHz; depending on the country approvals</td>	 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 / 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 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' • 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 No; In combination only with '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 function § • web-based management Yes • MIB support Yes	 for WLAN in 5 GHz frequency band 	4.9 5.8 GHz; depending on the country approvals
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 No; 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 8 product function 8 product function Yes • web-based management Yes • MIB support Yes	product features, product functions, product components / gene	eral
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 W740 iFeatures' • iPCF-INC 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 No; In combination only with 'KEY-PLUG W780 iFeatures' number of iREF-capable radio modules 2 product function / iPRP Yes; In combination only with 'KEY-PLUG W780 iFeatures' only product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product function 8 product function 8 product function Yes • web-based management Yes • MIB support Yes	product function / Access Point Mode	Yes
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-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 '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' • iPCF-apable radio modules 2 product function / iREF No; 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 8 product function 8 product function Yes • web-based management Yes • MIB support Yes	•	Yes
 iPCF Access Point iPCF client iPCF client iPCF-lmC Access Point iPCF-MC Access Point iPCF-MC Access Point iPCF-MC client Ves; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' iPCF-MC client Ves; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' iPCF-MC client Ves; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' number of iPCF-capable radio modules 2 product function / iREF 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 CLI web-based management Ves MIB support Yes 	number of SSIDs	16
• 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 / iREFNo; 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 function8product functionYes• CLIYes• web-based managementYes• MIB supportYes	product function	
• 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 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'number of iPCF-capable radio modules2product function / iREFNo; 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 function8product functionYes• CLIYes• web-based managementYes• MIB supportYes	iPCF Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'
• iPCF-MC clientYes; Only in combination with 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'number of iPCF-capable radio modules2product function / iREFNo; 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 functions / management, configuration, engineeringYes; In combination with the 'KEY-PLUG W780 iFeatures' onlyproduct function8product function8product functionYesourbe-based managementYesourbe-based managementYes	• iPCF client	
W740 iFeatures'number of iPCF-capable radio modules2product function / iREFNo; 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 functions / management, configuration, engineering8number of manageable IP addresses / in client8product functionVes• CLIYes• web-based managementYes• MIB supportYes	iPCF-MC Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'
product function / iREF No; 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 1 number of manageable IP addresses / in client 8 product function 6 product function 1 • CLI Yes • web-based management Yes • MIB support Yes		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 8 number of manageable IP addresses / in client 8 product function • CLI • web-based management Yes • MIB support Yes		
product function / iPRP Yes; In combination with the 'KEY-PLUG W780 iFeatures' only product functions / management, configuration, engineering 8 number of manageable IP addresses / in client 8 product function 9 • CLI Yes • web-based management Yes • MIB support Yes	•	
product functions / management, configuration, engineering number of manageable IP addresses / in client 8 product function • • CLI Yes • web-based management Yes • MIB support Yes		
number of manageable IP addresses / in client 8 product function • CLI Yes • web-based management Yes • MIB support Yes		Yes; In combination with the 'KEY-PLUG W780 iFeatures' only
product function Yes • CLI Yes • web-based management Yes • MIB support Yes	product functions / management, configuration, engineering	
• CLI Yes • web-based management Yes • MIB support Yes	number of manageable IP addresses / in client	8
web-based management Yes MIB support Yes	product function	
MIB support Yes	• CLI	Yes
	 web-based management 	Yes
TRAPs via email Yes	MIB support	Yes
	• TRAPs via email	Yes
configuration with STEP 7 Yes	configuration with STEP 7	Yes

 configuration with STEP 7 in the TIA Portal 	Yes
 operation with IWLAN controller 	No
 operation with Enterasys WLAN controller 	No
 forced roaming on IP down with IWLAN 	Yes
 forced roaming on link down with IWLAN 	Yes
• WDS	Yes
protocol / is supported	
 Address Resolution Protocol (ARP) 	Yes
• ICMP	Yes
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• DCP	Yes
• LLDP	Yes
identification & maintenance function	
I&M0 - device-specific information	Yes
 I&M1 - higher level designation/location designation 	Yes
product functions / diagnostics	
product function	
-	Yes
PROFINET IO diagnosis	
Ink check connection manitering ID Alive	No
connection monitoring IP-Alive	No
localization via Aeroscout	Yes
• SysLog	Yes
protocol / is supported	
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
product functions / VLAN	
product function	
• function VLAN with IWLAN	Yes
	Yes
• function VLAN with IWLAN	Yes
function VLAN with IWLAN product functions / DHCP	Yes
function VLAN with IWLAN product functions / DHCP product function	
function VLAN with IWLAN product functions / DHCP product function DHCP client	Yes
function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server	Yes Yes
function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82	Yes Yes
function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy	Yes Yes
function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported	Yes Yes Yes
function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP	Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP 	Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP 	Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security 	Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based 	Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based 	Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based 	Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES protocol / is supported 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product functions / DHCP product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES protocol / is supported SSH RADIUS 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES protocol / is supported SSH RADIUS 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES protocol / is supported SSH RADIUS product functions / time protocol / is supported 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES protocol / is supported SSH RADIUS product functions / time 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES protocol / is supported SSH RADIUS product functions / time protocol / is supported SNTP 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
 function VLAN with IWLAN product function DHCP client DHCP server DHCP Option 82 product functions / redundancy protocol / is supported STP/RSTP MSTP RSTP product functions / security product function ACL - MAC-based management security, ACL-IP based IEEE 802.1x (radius) NAT/NAPT access protection according to IEEE802.11i WPA/WPA2 TKIP/AES protocol / is supported SSH RADIUS product functions / time 	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes

FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X
Yes
No
No
No
No
Yes
Yes
Yes
For operation in the USA, you will find more information under:
www.siemens.de/funkzulassungen
Yes
EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX
0145X
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
Yes
Ex nA IIC T4 Gc
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
http://www.siemens.com/cax
https://support.industry.siemens.com
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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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