SIEMENS

Data sheet

6GK5774-1FY00-0TA0

product type designation



W774-1 M12 EEC

IWLAN Access Point, SCALANCE W774-1 M12 EEC, 1 radio, 2 R-SMA antenna port, iFeatures support via key plug, IEEE 802.11a/b/g/h/n, 2.4/5GHz, gross data rate 300 Mbit/s, 2x M12 max. 100 Mbit/s, PoE integrated 2-port switch, redundant 24 V DC,M12 A-coded IP30, -30... 65 °C, plug slot WPA2/802.11i/e,conformal coating EN 50155, observe national approvals! CERT ID: MSN-W1-M12-E2, scope of delivery: Manuals on CD-ROM, English/German; M12 sealing caps, for operation outside of USA/Israel

| transfer rate 300 Mbit/s • with WLAN / maximum 300 Mbit/s • for Industrial Ethernet 10, 100 Mbit/s transfer rate / for Industrial Ethernet 10 Mbit/s • minimum 10 Mbit/s • maximum 100 Mbit/s interfaces 100 Mbit/s • for network components or terminal equipment 2 • for power supply 1 • for redundant voltage supply 1 |
|--|
| • for Industrial Ethernet10, 100 Mbit/stransfer rate / for Industrial Ethernet10 Mbit/s• minimum10 Mbit/s• maximum100 Mbit/sinterfaces100 Mbit/snumber of electrical connections2• for network components or terminal equipment2• for power supply1 |
| transfer rate / for Industrial Ethernet 10 Mbit/s • minimum 10 Mbit/s • maximum 100 Mbit/s interfaces 100 Mbit/s • for network components or terminal equipment 2 • for power supply 1 |
| • minimum10 Mbit/s• maximum100 Mbit/sinterfacesnumber of electrical connections2• for network components or terminal equipment2• for power supply1 |
| • maximum 100 Mbit/s interfaces number of electrical connections • for network components or terminal equipment 2 • for power supply 1 |
| interfaces number of electrical connections • for network components or terminal equipment 2 • for power supply 1 |
| number of electrical connections 2 • for network components or terminal equipment 2 • for power supply 1 |
| for network components or terminal equipment 2 for power supply 1 |
| • for power supply 1 |
| |
| for redundant voltage supply |
| |
| type of electrical connection |
| • for network components or terminal equipment M12 interface (4-pole, D-coded), PoE |
| for power supply M12 interface (4-pole, A-coded) |
| 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) 2x2 |
| number of spatial streams 2 |
| number of electrical connections / for external antenna(s) 2 |
| type of electrical connection / for external antenna(s) R-SMA (socket) |
| product feature / external antenna can be mounted directly on Yes device |
| 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 |
| consumed current |
| • at DC / at 24 V / typical 0.25 A |
| power loss [W] |
| • at DC / at 24 V / typical 6 W |
| with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical |
| supply voltage / 1 |
| • from M12 Power Connector (A-coded) for redundant 16.8 V |

| power supply | | | | |
|---|---|--|--|--|
| supply voltage / 2 | | | | |
| from M12 Power Connector (A-coded) for redundant power supply | 31.2 V | | | |
| ambient conditions | | | | |
| ambient temperature | | | | |
| during operation | -30 +65 °C | | | |
| during storage | -40 +85 °C | | | |
| during transport | -40 +85 °C | | | |
| relative humidity / at 25 °C / without condensation / during | 100 % | | | |
| operation / maximum | | | | |
| ambient condition / for operation | When used under hazardous conditions (Zone 2), the SCALANCE W774-1 M12 EEC 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 | | | | |
| width | 26 mm | | | |
| height | 156 mm | | | |
| depth | 127 mm | | | |
| width / of the enclosure / without antenna | 26 mm | | | |
| height / of the enclosure / without antenna | 147 mm | | | |
| depth / of the enclosure / without antenna | 127 mm | | | |
| net weight | 0.52 kg | | | |
| product feature / conformal coating | Yes | | | |
| fastening method | wall mounting only if flat mounted | | | |
| S7-300 rail mounting | Yes | | | |
| S7-1500 rail mounting | Yes | | | |
| 35 mm DIN-rail mounting | Yes | | | |
| wall mounting | Yes | | | |
| radio frequencies | | | | |
| | | | | |
| operating frequency | | | | |
| operating frequency • for WI AN in 2.4 GHz frequency band | 2.41 2.48 GHz depending on the country approvals | | | |
| • 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 for WLAN in 5 GHz frequency band | 4.9 5.8 GHz; depending on the country approvals | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / generation | 4.9 5.8 GHz; depending on the country approvals eral | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode | 4.9 5.8 GHz; depending on the country approvals eral Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs | 4.9 5.8 GHz; depending on the country approvals eral Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs product function | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs product function | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs product function iPCF Access Point iPCF client | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs product function iPCF Access Point iPCF client iPCF-MC Access Point | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs product function iiPCF Access Point iiPCF client iiPCF-MC Access Point iiPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs product function iiPCF Access Point iiPCF client iiPCF-MC Access Point iiPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product functions / management, configuration, engineering number of manageable IP addresses / in client | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product function / iPRP product function / iPRP | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product function CLI | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 8 Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product function CLI web-based management | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product function CLI web-based management MIB support | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes Yes Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function CLI web-based management MIB support TRAPs via email | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes Yes Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product function CLI web-based management MIB support TRAPs via email configuration with STEP 7 | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes Yes Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function / iPRP product function CLI web-based management MIB support TRAPs via email configuration with STEP 7 configuration with STEP 7 in the TIA Portal operation with IWLAN controller | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes Yes Yes Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function CLI web-based management MIB support TRAPs via email configuration with STEP 7 configuration with STEP 7 in the TIA Portal operation with INVLAN controller | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes Yes Yes Yes No | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen product function / Access Point Mode product function / client Mode number of SSIDs product function iPCF Access Point iPCF client iPCF-MC client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function CLI web-based management MIB support TRAPs via email configuration with STEP 7 configuration with STEP 7 in the TIA Portal operation with Enterasys WLAN controller operation with Enterasys WLAN controller forced roaming on IP down with IWLAN | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 Yes Yes Yes Yes Yes Yes No No No No Yes | | | |
| for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band product features, product functions, product components / gen 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 client number of iPCF-capable radio modules product function / iREF number of iREF-capable radio modules product function / iPRP product function CLI web-based management MIB support TRAPs via email configuration with STEP 7 configuration with STEP 7 in the TIA Portal operation with INVLAN controller | 4.9 5.8 GHz; depending on the country approvals eral Yes Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' No Yes; Only in combination with the 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' only 8 8 Yes Yes Yes Yes Yes No No | | | |

| 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 function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 |
| | 165, acc. 10 1EC 0 1400-1.2022 |
| product functions / diagnostics | |
| product function | |
| PROFINET IO diagnosis | Yes |
| link check | 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 |
| | 165 |
| product functions / DHCP | |
| product function | |
| DHCP client | Yes |
| DHCP server | Yes |
| DHCP Option 82 | Yes |
| product functions / redundancy | |
| protocol / is supported | |
| • STP/RSTP | Yes |
| • MSTP | Yes |
| • RSTP | Yes |
| product functions / security | |
| product function | |
| ACL - MAC-based | Yes |
| management security, ACL-IP based | Yes |
| | |
| IEEE 802.1x (radius) | Yes |
| • NAT/NAPT | Yes |
| access protection according to IEEE802.11i | Yes |
| WPA/WPA2 | Yes |
| TKIP/AES | Yes |
| protocol / is supported | |
| • SSH | Yes |
| RADIUS | Yes |
| product functions / time | |
| protocol / is supported | |
| • NTP | Yes |
| • SNTP | Yes |
| SIMATIC time synchronization (SIMATIC Time) | Yes |
| standards, specifications, approvals | |
| standard | |
| | EM 2611: Close L Division 2, Crowns A D C D, T4 / Close 4, Zene 2, Crown HC |
| • for FM | FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X |
| for safety / from CSA and UL | UL 60950-1 E115352, CSA C22.2 No. 60950-1 |
| certificate of suitability | |
| EC Declaration of Conformity | Yes |
| | 160 |

| | Y | | | | |
|---|---|--|--|--|--|
| • CE marking | Yes | | | | |
| • C-Tick | Yes | | | | |
| • E1 approval | Yes | | | | |
| railway application in accordance with EN 50155 | Yes | | | | |
| railway application in accordance with EN 50121-4 | Yes | | | | |
| • fire protection in accordance with EN 45545-2 | Yes | | | | |
| • 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 | | | | | |
| • IEEE 802.11a | Yes | | | | |
| • IEEE 802.11b | Yes | | | | |
| • IEEE 802.11e | Yes | | | | |
| • IEEE 802.11g | Yes | | | | |
| • IEEE 802.11h | Yes | | | | |
| • IEEE 802.11i | Yes | | | | |
| • IEEE 802.11n | Yes | | | | |
| wireless approval | You will find the current list of countries at: www.siemens.de/funkzulassungen | | | | |
| reference code | | | | | |
| according to IEC 81346-2:2019 | KFE | | | | |
| standards, specifications, approvals / marine classification | | | | | |
| Marine classification association | | | | | |
| American Bureau of Shipping Europe Ltd. (ABS) | Yes | | | | |
| French marine classification society (BV) | Yes | | | | |
| • DNV GL | Yes | | | | |
| Korean Register of Shipping (KRS) | Yes | | | | |
| Lloyds Register of Shipping (LRS) | Yes | | | | |
| Nippon Kaiji Kyokai (NK) | Yes | | | | |
| Polski Rejestr Statkow (PRS) | Yes | | | | |
| 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; GB3836.1, GB3836.8 | | | | |
| as marking | Ex nA IIC T4 Gc | | | | |
| standards, specifications, approvals / Environmental Product D | | | | | |
| Environmental Product Declaration | Yes | | | | |
| global warming potential [CO2 eq] | | | | | |
| • total | 195.92 kg | | | | |
| | - | | | | |
| during manufacturing | 29.7 kg | | | | |
| during operation after end of life | 166.06 kg | | | | |
| aner end or life further information / internet links | 0.16 kg | | | | |
| | | | | | |
| internet link | https://gupport.industry.gipmone.com/go/ww/on/vigw/400760250 | | | | |
| to website: Selection guide for cables and connectors to web page: calection aid TIA Selection Teel | https://support.industry.siemens.com/cs/ww/en/view/109766358 | | | | |
| to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud | | | | |
| to web page: WLAN country approval | https://www.siemens.com/wireless-approvals | | | | |
| to the website: IWLAN | https://www.siemens.com/iwlan | | | | |
| • to website: Industrial communication | https://www.siemens.com/simatic-net | | | | |
| • to web page: SiePortal | https://sieportal.siemens.com/ | | | | |
| • to website: Image database | https://www.automation.siemens.com/bilddb | | | | |
| • to website: CAx-Download-Manager | https://www.siemens.com/cax | | | | |
| | https://support.industry.siemens.com | | | | |
| to website: Industry Online Support | | | | | |
| security information | | | | | |
| | Siemens provides products and solutions with industrial cybersecurity functions | | | | |

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| Approvals / Certificate | S | | | | |
|-------------------------|---------------------|--------------------------------|---|-------------------------------|-------------------------------------|
| General Product App | proval | | | | For use in hazard- ous locations |
| EG-Konf. | CCC | Declaration of Con- formity | EAC | Manufacturer Declara- tion | IECEx |
| For use in hazardous | s locations | | Radio Equipment Typ | pe Approval Certificate | Marine / Shipping |
| Ex ATEX | EM | <u>CCC-Ex</u> | <u>Miscellaneous</u> | <u>Miscellaneous</u> | ABS |
| Marine / Shipping | | | | | |
| BUREAU VERITAS | | Llovds Register urs | <u>NK / Nippon Kaiji Ky-</u> <u>okai</u> | PRS | RINA |
| Railway | Environment | | | | |
| <u>Confirmation</u> | <u>Confirmation</u> | EPD | | | |
| last modified: | | 2/8/2 | 025 🖸 | | |