## SIEMENS

## Data sheet

## 6GK5734-1FX00-0AB0

product type designation



W734-1 RJ45 (USA)

IWLAN client, SCALANCE W734-1, RJ45, 1 radio, 2 R-SMA antenna port, iFeatures Support via KEY-PLUG, IEEE 802.11a/b/g/h/n, 2.4/5 GHz, gross data rate 300 Mbps, 2x RJ45 max. 100 Mbps, PoE integrated 2-port switch, redundant 24 V DC, joint block, IP30, -20... 60 °C, plug slot WPA2/802.11*i*/e, observe national approvals! CERT ID: MSN-W1-RJ-E2, FCC ID: LYHMSN1V1, scope of delivery: manuals on CD-ROM, German/English, 1x joint block; only for operation in the USA.

transfer rate     300 Mbit/s       • vith WLAN / maximum     300 Mbit/s       • or Industrial Ethernet     10, 100 Mbit/s       transfer rate / for Industrial Ethernet     10, 100 Mbit/s       • maximum     10 Mbit/s       • maximum     10 Mbit/s       • maximum     10 Mbit/s       • for network components or terminal equipment     2       • for network components or terminal equipment     2       • for network components or terminal equipment     4-pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • for network components or terminal equipment     + pole screw terminal, PoE       • cPLUG     Yes       • orde coards / permanently ins	transfer rate	
• for Industrial Ethernet     10, 100 Mbit/s       transfer rate / for Industrial Ethernet     10 Mbit/s       • maximum     100 Mbit/s       Interfaces     100 Mbit/s       number of electrical connections     2       • for network components or terminal equipment     2       • for network components or terminal equipment     2       • for network components or terminal equipment     1       • for network components or terminal equipment     2       • for network components or terminal equipment     4. Jole screw terminal, PoE       • for network components or terminal equipment     4. Jole screw terminal, PoE       • for power supply     4. Jole screw terminal, PoE       design of the removable storage     4. Socket       • C-PLUG     Yes       • KEY-PLUG     Yes       Interfaces / wireless     1       number of radio cards / permanently installed     1       transmission mode / for multiple input multiple output (MMO)     22       (MMNO)     2       number of spatial streams     2       spply voltage     DC       supply voltage     48 V       oronsumed	transfer rate	
transfer rate / for Industrial Ethemet initianum 10 Mbli/s inaximum 10 Mbli/s Interfaces Inumber of electrical connections i for network components or terminal equipment i for power supply i 1 itype of electrical connection i for network components or terminal equipment i for power supply i 1 itype of electrical connection i for network components or terminal equipment i for power supply i 1 itype of electrical connection i for network components or terminal equipment i for power supply i 1 itype of electrical connection i for network components or terminal equipment i for power supply i 1 itype of electrical connection i for network components or terminal equipment i c-P-LUG i	<ul> <li>with WLAN / maximum</li> </ul>	300 Mbit/s
• minimum         10 Mbit/s           • maximum         100 Mbit/s           interfaces         Interfaces           number of electrical connections         2           • for network components or terminal equipment         2           • for network components or terminal equipment         2           • for network components or terminal equipment         1           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components or terminal equipment         RJ45 socket           • for network components         Yees           • C-PLUG         Yees           Interfaces / wireless         1           number of radio cards / permanently installed         1           transmission mode / for multiple input multiple output	<ul> <li>for Industrial Ethernet</li> </ul>	10, 100 Mbit/s
• maximum       100 Mbit/s         Interfaces       • for retwork components or terminal equipment       2         • for power supply       1         • for retwork components or terminal equipment       2         • for network components or terminal equipment       1         • for network components or terminal equipment       RJ45 socket         • for network components or terminal equipment       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 radic cards / permanently installed       1         transmission mode / for multiple input multiple output (MIMO)       2x2         number of spatial streams       2         number of spatial streams       2         supply voltage, current consumption, power loss       Yes         type of electrical connection / for external antenna(s)       R-SMA (socket)         type of adje / of the supply voltage       DC         supply voltage       48 V         • from Power-over-Ethernet acc	transfer rate / for Industrial Ethernet	
Interfaces           number of electrical connections         2           • for network components or terminal equipment         2           • for power supply         1           • for network components or terminal equipment         2.445 socket           • for network components or terminal equipment         4-pole screw terminal, PoE           • for network components or terminal equipment         4-pole screw terminal, PoE           • for network components or terminal equipment         4-pole screw terminal, PoE           • C-PLUG         Yes           • KEY-PLUG         Yes           • KEY-PLUG         Yes           • KEY-PLUG         Yes           Interfaces / wireless         1           number of radio cards / permanently installed         1           transmission mode / for multiple input multiple output         2x2           (MIMO)         2x2           number of spatial streams         2           number of spatial streams         2           number of voltage / for the supply voltage         Pes           supply voltage, current consumption, power loss         2           type of voltage / of the supply voltage         DC           supply voltage         48 V           for type 1 and IEEE802.3at         625 A     <	• minimum	10 Mbit/s
number of electrical connections     2       • for network components or terminal equipment     2       • for rower supply     1       • for rower supply     1       • for network components or terminal equipment     RJ45 socket       • for power supply     4-pole screw terminal, PoE       design of the removable storage     4-pole screw terminal, PoE       • C-PLUG     Yes       • KEY-PLUG     Yes       memory     design of the removable storage       • C-PLUG     Yes       • KEY-PLUG     Yes       Interfaces / wireless     Yes       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)     R-SMA (socket)       product feature / external antenna can be mounted     Yes       otrupt voltage / of the supply voltage     DC       supply voltage     48 V       ortory of voltage / of the supply voltage     48 V       otrupt voltage / of the supply voltage     0.25 A       outply voltage / of the supply voltage     0.25 A       outply voltage / with Power-over-Ethernet according to IEEE802.3at     0.125 A	• maximum	100 Mbit/s
• for network components or terminal equipment       2         • for power supply       1         • for redundant voltage supply       1         • for network components or terminal equipment       RJ45 socket         • for power supply       4-pole screw terminal, POE         design of the removable storage       •         • C-PLUG       Yes         • KEY-PLUG       Yes         memory	interfaces	
<ul> <li>for power supply</li> <li>for redundant voltage supply</li> <li>for redundant voltage supply</li> <li>for network components or terminal equipment</li> <li>for terminal equipment</li> <li>for network components or terminal equipment</li> <li>for target or multiple input multiple output (MIMO)</li> <li>for external antenna (s)</li> <li>product feature / external antenna (s)</li> <li>product feature / external antenna (s)</li> <li>product feature / external antenna can be mounted</li> <li>for type 1 and IEEE802.3af</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>for type 1 and IEEE802.3af</li> <li>for type 1 and IEEE802.3at</li> <li>with Power-over-Eth</li></ul>	number of electrical connections	
	<ul> <li>for network components or terminal equipment</li> </ul>	2
type of electrical connection <ul> <li>for network components or terminal equipment</li> <li>for power supply</li> <li>for power supply</li> <li>a construction</li> <li>construction</li> <li>construction</li></ul>	<ul> <li>for power supply</li> </ul>	1
<ul> <li>for network components or terminal equipment</li> <li>for power supply</li> <li>for power supply</li> <li>for power supply</li> <li>for power supply</li> <li>design of the removable storage</li> <li>C-PLUG</li> <li>KEY-PLUG</li> <li>Yes</li> <li>C-PLUG</li> <li>C-PLUG</li> <li>Yes</li> <li>KEY-PLUG</li> <li>Yes</li> <li>Interfaces / wireless</li> <li>number of radio cards / permanently installed</li> <li>transmission mode / for multiple input multiple output</li> <li>(MIMO)</li> <li>number of spatial streams</li> <li>a connection / for external antenna(s)</li> <li>product feature / external antenna can be mounted</li> <li>driectly on device</li> <li>supply voltage</li> <li>of or Mower-over-Ethernet according to IEEE802.3at</li> <li>for type 1 and IEEE802.3af</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> </ul>	<ul> <li>for redundant voltage supply</li> </ul>	1
• for power supply         4-pole screw terminal, PoE           design of the removable storage         Yes           • C-PLUG         Yes           • KEY-PLUG         Yes           memory         design of the removable storage           • C-PLUG         Yes           • KEY-PLUG         Yes           • KEY-PLUG         Yes           interfaces / wireless         Yes           number of radio cards / permanently installed         1           transmission mode / for multiple input multiple output (MIMO)         2x2           number of spatia streams         2           number of electrical connections / for external antenna(s)         R-SMA (socket)           product feature / external antenna can be mounted         Yes           directly on device         DC           supply voltage / of the supply voltage         DC           supply voltage / of the supply voltage         48 V           of more-over-Ethernet according to IEEE802.3at         670 Power-over-Ethernet according to IEEE802.3at           of with Power-over-Ethernet according to IEEE802.3at         0.25 A           • with Power-over-Ethernet according to IEEE802.3at         0.125 A	type of electrical connection	
design of the removable storage <ul> <li>C-PLUG</li> <li>Yes</li> <li>KEY-PLUG</li> <li>Yes</li> <li>design of the removable storage</li> <li>C-PLUG</li> <li>Yes</li> <li>C-PLUG</li> <li>Yes</li> <li>KEY-PLUG</li> <li>Yes</li> <li>Interfaces / wireless</li> <li>number of radio cards / permanently installed</li> <li>transmission mode / for multiple input multiple output</li> <li>(MIMO)</li> <li>number of spatial streams</li> <li>2</li> <li>number of electrical connections / for external antenna(s)</li> <li>product feature / external antenna can be mounted</li> <li>directly on device</li> <li>supply voltage, current consumption, power loss</li> <li>type of voltage / of the supply voltage</li> <li>for m Power-over-Ethernet according to IEEE802.3at</li> <li>for type 1 and IEEE802.3af</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>0.25 A</li> <li>0.125 A</li> <li>0.125 A</li> <li>0.25 A</li> <li>0.25</li></ul>	<ul> <li>for network components or terminal equipment</li> </ul>	RJ45 socket
	<ul> <li>for power supply</li> </ul>	4-pole screw terminal, PoE
• KEY-PLUG       Yes         memory       design of the removable storage         • C-PLUG       Yes         • KEY-PLUG       Yes         interfaces / wireless       Yes         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 device       Yes         supply voltage / of the supply voltage       DC         supply voltage       48 V         • form Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af       48 V         • at DC / at 24 V / typical       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A	design of the removable storage	
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       2x2         (MIMO)       2         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       Yes         directly on device       DC         supply voltage, current consumption, power loss       48 V         type of voltage / of the supply voltage       DC         supply voltage       48 V         • from Power-over-Ethernet according to IEEE802.3at       0.25 A         • with Power-over-Ethernet according to IEEE802.3at       0.125 A	• C-PLUG	Yes
design of the removable storage <ul> <li>C-PLUG</li> <li>KEY-PLUG</li> <li>Yes</li> </ul> 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 connection / for external antenna(s)         2           type of electrical connection / for external antenna(s)         R-SMA (socket)           product feature / external antenna can be mounted         Yes           directly on device         DC           supply voltage         0           e from Power-over-Ethernet according to IEEE802.3at         48 V           for type 1 and IEEE802.3af         0.25 A           e with Power-over-Ethernet according to IEEE802.3at         0.125 A	• KEY-PLUG	Yes
	memory	
• KEY-PLUG       Yes         interfaces / wireless       1         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 device       Yes         supply voltage, current consumption, power loss       DC         supply voltage       DC         supply voltage       48 V         of rom Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af       48 V         e at DC / at 24 V / typical       0.25 A         with Power-over-Ethernet according to IEEE802.3at       0.125 A	design of the removable storage	
interfaces / wireless       1         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 device       Yes         supply voltage, current consumption, power loss       DC         type of voltage / of the supply voltage supply voltage       DC         of row Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af       48 V         consumed current       0.25 A         with Power-over-Ethernet according to IEEE802.3at       0.125 A	• C-PLUG	Yes
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 device       Yes         supply voltage, current consumption, power loss       DC         type of voltage / of the supply voltage       DC         supply voltage       48 V         e from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af       48 V         e at DC / at 24 V / typical       0.25 A         e with Power-over-Ethernet according to IEEE802.3at       0.125 A	• KEY-PLUG	Yes
transmission mode / for multiple input multiple output (MIMO)2x2number of spatial streams2number of electrical connections / for external antenna(s)2type of electrical connection / for external antenna(s)R-SMA (socket)product feature / external antenna can be mounted directly on deviceYesSupply voltage, current consumption, power losstype of voltage / of the supply voltage supply voltageDCsupply voltage0e from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af48 Ve at DC / at 24 V / typical0.25 Awith Power-over-Ethernet according to IEEE802.3at e with Power-over-Ethernet according to IEEE802.3at0.125 A	interfaces / wireless	
(MIMO)number of spatial streams2number of electrical connections / for external antenna(s)2type of electrical connection / for external antenna(s)R-SMA (socket)product feature / external antenna can be mounted directly on deviceYesSupply voltage, current consumption, power losstype of voltage / of the supply voltage supply voltageDCe from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af48 Vconsumed current e at DC / at 24 V / typical0.25 Awith Power-over-Ethernet according to IEEE802.3at 0.125 A0.125 A	number of radio cards / permanently installed	1
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       Yes         directly on device       Yes         supply voltage, current consumption, power loss       DC         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         consumed current       0.25 A         with Power-over-Ethernet according to IEEE802.3at       0.125 A		2x2
type of electrical connection / for external antenna(s) product feature / external antenna can be mounted directly on deviceR-SMA (socket) Yessupply voltage, current consumption, power lossDCtype of voltage / of the supply voltage 	number of spatial streams	2
product feature / external antenna can be mounted directly on deviceYessupply voltage, current consumption, power lossDCtype of voltage / of the supply voltage supply voltage of rom Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current o at DC / at 24 V / typical owith Power-over-Ethernet according to IEEE802.3at 0.25 ADCwith Power-over-Ethernet according to IEEE802.3at 0.125 A0.125 A	number of electrical connections / for external antenna(s)	2
directly on device       DC         supply voltage / of the supply voltage       DC         supply voltage       DC         o from Power-over-Ethernet according to IEEE802.3at       48 V         for type 1 and IEEE802.3af       48 V         consumed current       0.25 A         with Power-over-Ethernet according to IEEE802.3at       0.125 A	type of electrical connection / for external antenna(s)	R-SMA (socket)
type of voltage / of the supply voltage       DC         supply voltage <ul> <li>from Power-over-Ethernet according to IEEE802.3at</li> <li>for type 1 and IEEE802.3af</li> <li>consumed current</li> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>0.25 A</li> <li>0.125 A</li> </ul>		Yes
supply voltage • from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af consumed current • at DC / at 24 V / typical • with Power-over-Ethernet according to IEEE802.3at • with Power-over-Ethernet according to IEEE802.3at	supply voltage, current consumption, power loss	
<ul> <li>from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af</li> <li>consumed current</li> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>0.25 A</li> <li>0.125 A</li> </ul>	type of voltage / of the supply voltage	DC
for type 1 and IEEE802.3af         consumed current         • at DC / at 24 V / typical         0.25 A         • with Power-over-Ethernet according to IEEE802.3at         0.125 A	supply voltage	
<ul> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEE802.3at</li> <li>0.125 A</li> </ul>		48 V
with Power-over-Ethernet according to IEEE802.3at     0.125 A	consumed current	
	<ul> <li>at DC / at 24 V / typical</li> </ul>	0.25 A
		0.125 A

power loss [W]	
at DC / at 24 V / typical	6 W
with Power-over-Ethernet according to IEEE802.3at	6 W
for type 1 and IEEE802.3af / typical	
supply voltage / 1	40.01/
from terminal block	19.2 V
<ul> <li>supply voltage / 2</li> <li>from terminal block</li> </ul>	28.8 V
from terminal block     ambient conditions	20.0 V
<ul><li>ambient temperature</li><li>during operation</li></ul>	-20 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity / at 25 °C / without condensation / during	95 %
operation / maximum	
ambient condition / for operation protection class IP	When used under hazardous conditions (Zone 2), the SCALANCE W774-1 RJ45 or W734-1 RJ45 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. 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
fastening method	wall mounting only if flat mounted
S7-300 rail mounting     S7 1500 rail mounting	Yes
<ul> <li>S7-1500 rail mounting</li> <li>35 mm top hat DIN rail mounting</li> </ul>	Yes
<ul> <li>wall mounting</li> </ul>	Yes
wall mounting radio frequencies	Yes
	Yes
radio frequencies	Yes 2.41 2.48 GHz; depending on the country approvals
radio frequencies operating frequency	
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band	<ul><li>2.41 2.48 GHz; depending on the country approvals</li><li>4.9 5.8 GHz; depending on the country approvals</li></ul>
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band	<ul><li>2.41 2.48 GHz; depending on the country approvals</li><li>4.9 5.8 GHz; depending on the country approvals</li></ul>
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode product function	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band product features, product functions, product components product function / Access Point Mode product function / client Mode product function	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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-
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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'
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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'
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' or 'KEY- PLUG W740 iFeatures' only
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product functions / management, configuration, engineeri         number of manageable IP addresses / in client	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' or 'KEY- PLUG W740 iFeatures' only
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product functions / management, configuration, engineeri         number of manageable IP addresses / in client         product function	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals 7 general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only 9
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product functions / management, configuration, engineeri         number of manageable IP addresses / in client         product function	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' 8 Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLl         • web-based management	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         of PCF client         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLl         • web-based management         • MIB support	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         operating frequency         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLl         • web-based management         • MIB support         • TRAPs via email	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLl         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         • cLI         • web-based management         • MIB support         • TRAPs via email	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-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	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         product function         of PCL         number of manageable IP addresses / in client         product function         • CLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal         • WDS	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         product function         iPCF         product function / iPRP         product function         product functions / management, configuration, engineeri         number of manageable IP addresses / in client         product function         • CLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal         • WDS         protocol / is supported	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes Yes Yes No
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-capable radio modules         product function / iPRP         product function         product function         0 CLI         • web-based management         • MIB support         • TRAPs via email         • configuration with STEP 7         • configuration with STEP 7 in the TIA Portal         • WDS         protocol / is supported         • Address Resolution Protocol (ARP)         • ICMP         • Telnet	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals <i>I</i> general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes Yes Yes Yes
radio frequencies         operating frequency         • for WLAN in 2.4 GHz frequency band         • for WLAN in 5 GHz frequency band         product features, product functions, product components         product function / Access Point Mode         product function / Access Point Mode         product function / client Mode         product function         • iPCF client         • iPCF-MC client         number of iPCF-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         • WDS         protocol / is supported         • Address Resolution Protocol (ARP)         • ICMP	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals / general No Yes 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' 1 Yes; In combination with the 'KEY-PLUG W780 iFeatures' or 'KEY- PLUG W740 iFeatures' only ng 8 Yes Yes Yes Yes Yes Yes No

• TFTP	Yes
• DCP	Yes
• LLDP	No
identification & maintenance function	NO
I&M0 - device-specific information	Yes
I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
	Vec
<ul> <li>PROFINET IO diagnosis</li> <li>link check</li> </ul>	Yes No
connection monitoring IP-Alive	No
SysLog	Yes
protocol / is supported	163
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
product functions / VLAN	
product function	
function VLAN with IWLAN	No
product functions / DHCP	
product function	
DHCP client	Yes
DHCP server	Yes
DHCP Option 82	Yes
product functions / redundancy	
protocol / is supported	
• STP/RSTP	Yes
• MSTP	Yes
• RSTP	Yes
product functions / security	
product function	
ACL - MAC-based	Yes
<ul> <li>management security, ACL-IP based</li> </ul>	Yes
<ul> <li>IEEE 802.1x (radius)</li> </ul>	Yes
NAT/NAPT	Yes
<ul> <li>access protection according to IEEE802.11i</li> </ul>	Yes
WPA/WPA2	Yes
• TKIP/AES	Yes
protocol / is supported	
• SSH	Yes
• RADIUS	Yes
product functions / time	
protocol / is supported	
• NTP	Yes
• SNTP	Yes
SIMATIC time synchronization (SIMATIC Time)	Yes
standards, specifications, approvals	
certificate of suitability	
<ul> <li>EC Declaration of Conformity</li> </ul>	Yes
• CE marking	Yes
• C-Tick	Yes
● E1 approval	No
railway application in accordance with EN 50155	No
NEMA TS2	No
• IEC 61375	No
• IEC 61850-3	No
• NEMA4X	No
<ul> <li>Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af</li> </ul>	Yes
Power-over-Ethernet according to IEEE802.3at for	Yes
type 2	
standard for wireless communication	

<ul> <li>IEEE 802.11a</li> </ul>	
	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:
standards, specifications, approvals / marine classificatio	www.siemens.de/funkzulassungen
Marine classification association	
American Bureau of Shipping Europe Ltd. (ABS)	Yes
	Yes
<ul> <li>French marine classification society (BV)</li> <li>DNV GL</li> </ul>	Yes
	Yes
Korean Register of Shipping (KRS)	
Lloyds Register of Shipping (LRS)	Yes
Nippon Kaiji Kyokai (NK)	Yes
Polski Rejestr Statkow (PRS)	Yes
<ul> <li>Royal Institution of Naval Architects (RINA)</li> </ul>	Yes
standards, specifications, approvals / hazardous environn	
standard / for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes
accessories	
accessories	24 V DC screw terminal included in scope of delivery
further information / internet-Links	
further information / internet-Links Internet-Link	
	http://www.siemens.com/tia-selection-tool
Internet-Link	http://www.siemens.com/tia-selection-tool http://www.siemens.com/tia-selection-tool
Internet-Link • to website: TIA Selection Tool	
Internet-Link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
Internet-Link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN	http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan
Internet-Link <ul> <li>to website: TIA Selection Tool</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to the website: IWLAN</li> <li>to website: Industry Mall</li> </ul>	http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com
Internet-Link <ul> <li>to website: TIA Selection Tool</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to the website: IWLAN</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter
Internet-Link <ul> <li>to website: TIA Selection Tool</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to the website: IWLAN</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Image database</li> </ul>	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
Internet-Link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support security information	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
Internet-Link • to website: TIA Selection Tool • to web page: selection aid TIA Selection Tool • to the website: IWLAN • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support	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