# SIEMENS

### Data sheet

### 6GK5774-1FX00-0AB0

product type designation



#### W774-1 RJ45 (USA)

IWLAN Access Point, SCALANCE W774-1 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 WPA2/802.11i/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; for operation in the USA.

transfer rate	
transfer rate	
<ul> <li>with WLAN / maximum</li> </ul>	300 Mbit/s
<ul> <li>for Industrial Ethernet</li> </ul>	10, 100 Mbit/s
transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	100 Mbit/s
interfaces	
number of electrical connections	
<ul> <li>for network components or terminal equipment</li> </ul>	2
<ul> <li>for power supply</li> </ul>	1
<ul> <li>for redundant voltage supply</li> </ul>	1
type of electrical connection	
<ul> <li>for network components or terminal equipment</li> </ul>	RJ45 socket
<ul> <li>for power supply</li> </ul>	4-pole screw terminal, PoE
design of the removable storage	
• C-PLUG	Yes
• KEY-PLUG	Yes
memory	
design of the removable storage	
• C-PLUG	Yes
• KEY-PLUG	Yes
interfaces / wireless	
number of radio cards / permanently installed	1
transmission mode / for multiple input multiple output (MIMO)	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	
type of voltage / of the supply voltage	DC
supply voltage	
<ul> <li>from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af</li> </ul>	48 V
consumed current	
• at DC / at 24 V / typical	0.25 A
<ul> <li>with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical</li> </ul>	0.125 A
power loss [W]	

• at DC / at 24 V / typical	6 W
<ul> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEE802.3at for</li> </ul>	6 W
type 1 and IEEE802.3af / typical	
supply voltage / 1	
from terminal block	19.2 V
supply voltage / 2	
from terminal block	28.8 V
ambient conditions	
ambient temperature	
<ul> <li>during operation</li> </ul>	-20 +60 °C
during storage	-40 +85 °C
during transport	-40 +85 °C
relative humidity / at 25 $^\circ\text{C}$ / without condensation / during operation / maximum	97 %
ambient condition / for operation	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.
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
fastening method	wall mounting only if flat mounted
<ul> <li>S7-300 rail mounting</li> </ul>	Yes
<ul> <li>S7-1500 rail mounting</li> </ul>	Yes
<ul> <li>35 mm top hat DIN rail mounting</li> </ul>	Yes
wall mounting	Yes
wall mounting radio frequencies	Yes
, and the second s	
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band	2.41 2.48 GHz; depending on the country approvals
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 / gen	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals eral
radio frequencies operating frequency • for WLAN in 2.4 GHz frequency band • for WLAN in 5 GHz frequency band	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals eral 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 / gen 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 eral 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 / gen         product function / Access Point Mode         product function / client Mode         number of SSIDs	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals eral 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 / gen         product function / Access Point Mode         product function / client Mode         number of SSIDs         product function	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4
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 / gen         product function / Access Point Mode         product function / client Mode         number of SSIDs         product function         • iPCF Access Point	2.41 2.48 GHz; depending on the country approvals 4.9 5.8 GHz; depending on the country approvals eral Yes Yes 4 Yes; Only in combination with the 'KEY-PLUG W780 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 / gen         product function / Access Point Mode         product function / client Mode         number of SSIDs         product function         • iPCF Access Point         • iPCF client	2.41 2.48 GHz; depending on the country approvals 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'
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 / gen         product function / Access Point Mode         product function / Access Point Mode         number of SSIDs         product function         • iPCF Access Point         • iPCF client         • iPCF-MC Access Point	2.41 2.48 GHz; depending on the country approvals 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
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 / gen         product function / Access Point Mode         product function / Access Point Mode         number of SSIDs         product function         • iPCF Access Point         • iPCF client         • iPCF-MC Access Point         • iPCF-MC client	<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> <li>eral</li> <li>Yes</li> <li>Yes</li> <li>4</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>No</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</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 / 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         • iPCF-MC client         • iPCF-MC client	<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> <li>eral</li> <li>Yes</li> <li>Yes</li> <li>4</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>No</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>1</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 / 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         • iPCF-MC client         • iPCF-Client         • iPCF-MC client	<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> <li>eral</li> <li>Yes</li> <li>Yes</li> <li>4</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>No</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>1</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'</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 / 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         • iPCF-Capable radio modules         product function / iREF	<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> <li>eral</li> <li>Yes</li> <li>Yes</li> <li>4</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>No</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>1</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>1</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 / 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	<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> <li>eral</li> <li>Yes</li> <li>Yes</li> <li>4</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>No</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>1</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'</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 / 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	<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> <li>eral</li> <li>Yes</li> <li>Yes</li> <li>4</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>No</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>1</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>1</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>1</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'</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 / gen         product function / Access Point Mode         product function / Access Point 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 functions / management, configuration, engineering         number of manageable IP addresses / in client	<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> <li>eral</li> <li>Yes</li> <li>Yes</li> <li>4</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>No</li> <li>Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'</li> <li>1</li> <li>Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'</li> <li>1</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 / 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         • 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	2.41 2.48 GHz; depending on the country approvals 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
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 / 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	2.41 2.48 GHz; depending on the country approvals         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 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
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 / 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	2.41 2.48 GHz; depending on the country approvals         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'         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; In combination with the 'KEY-PLUG W780 iFeatures' only         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 / 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	2.41 2.48 GHz; depending on the country approvals         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'         No         Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'         1         Yes; Only in combination with the 'KEY-PLUG W740 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
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 / 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         • 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         • 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         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
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 / 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         • 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	2.41 2.48 GHz; depending on the country approvals         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 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
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 / 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         • 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	2.41 2.48 GHz; depending on the country approvals         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'         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; In combination with the 'KEY-PLUG W780 iFeatures' only         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 / gen         product function / Access Point Mode         product function / client Mode         number of SSIDs         product function         • iPCF Access Point         • iPCF Access Point         • iPCF-MC client         • iPCF-MC 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 IWLAN controller	2.41 2.48 GHz; depending on the country approvals         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'         No         Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'         1         Yes; Only in combination with the 'KEY-PLUG W740 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
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 / 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         • 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	2.41 2.48 GHz; depending on the country approvals         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'         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

• MCS         Yes           • MCS         Yes           • Addres Realizion Protocol (ARP)         Yes           • Addres Realizion Protocol (ARP)         Yes           • MCMS         Yes           • Infinit         Yes           • MCM - Infinit Prod Resignation         Yes           • SMR Prod	- ferred rearries on link down with NAU AN	Vee
protocol (A supported         -           • Address Resolution Protocol (ARP)         Yes           • Innat         Yes           • IntTPS         Yes           • IntTPS </td <td>forced roaming on link down with IWLAN</td> <td>Yes</td>	forced roaming on link down with IWLAN	Yes
• Address Resolution Protocol (ARP)Yes• CLAPYes• CLAPYes• HTTPSYes• HTTPSYes• CLAPYes• CLAPYes<		Tes
• CMPYes• TurnsYes• HTTPSYes• HTTPSYes• CDPYes• CDPYes• CDPYes• CDPYes• CDPYes• CDPYes• RAM - deve specific informationYes• RAM - Napher level designation/location designationYes• RAM - Napher level designation/locationYes• Order formation wat ArreacoultYes• Striker Napher levelYes• Striker Napher levelYes• Striker Napher levelYes• Striker Napher levelYes• Order DefondYes• Order Napher levelYes• Striker Napher Level <td< td=""><td></td><td>Vaa</td></td<>		Vaa
• FindetYes• HTTPSYes• HTTPSYes• FICPYes• LCPYes• LCPYes• MAN - device specific informationYes• MAN - fupier level designation destination settinationYesproduct functions / diagnosticsYes• MAN - fupier level designation destination settinationYesproduct functions / diagnosticsYes• MAN - fupier level designation destination settinationYes• MAN - fupier level destination settinationYes• MAN - Marker level destination settinationYes• MAN - Marker level destination settinationYes• SMAP V1Yes• SMAP V2Yes• SMAP V3Yes• SMAP V4Yes• SMAP V3Yes• SMAP V4Yes• SMAP V4Yes• SMAP V3Yes• SMAP V4Yes• SMAP V4Yes• SMAP V5Yes• SMAP V5Yes• SMAP V6Yes• SMAP V6Yes• SMAP V7Yes• SMAP V8Yes• SMAP V9Yes• SMAP V9Yes• SMAP V1Yes• SMAP V1Yes• SMAP V1Yes• SMAP V2Yes• SMAP V3Yes• SMAP V4Yes• SMAP V5Yes• SMAP V5Yes• SMAP V6Yes• SMAP V6Yes• SMAP V6Yes• SMAP V6		
• HTTPYes• HTTPSYes• CPYes• CPYes• LDPYes• LDPYes• LBD- divers specific informationYes• LBD- divers specific informationYes• LBD- divers specific informationYes• LBD- divers specific informationYes• MBD- divers specific informationYes• PROFUT Inclose specific informationYes• PROFUT Inclose specific informationYes• PROFUT Inclose specific informationYes• Init checkNo• Init checkNo• Init checkNo• Init checkYes• Init checkYes <td< td=""><td></td><td></td></td<>		
• ITTPSYes• ICTPYes• ICDPYes• ICDPYes• ICDPYes• ICDPYes• IRMO - device specific informationYes• IRMO - finiple word esignatoncolectation designationYesproduct functions / flagmonisYesproduct functions / flagmonisYes• IRGO - finiple word esignatoncolectation designationYesproduct functions / flagmonisYes• IRGO - finiple word esignatoncolectation designationYes• ObservedYes• Contraction monitoring IP-AliveNo• Contraction monitoring IP-AliveNo• Contraction monitoring IP-AliveNo• Contraction monitoring IP-AliveYes• SMAP V3Yes• SMAP V3Yes• SMAP V3Yesproduct functions / VLANYesproduct functions / VLANYesproduct functions / VLANYesproduct functions / PACPYesproduct functions / PACPYes• Order functions / PACPYesproduct functions / PACPYes• Order functions / Interfunctions / Interfunctions / Yes• Order functions / Interfunctions / Interfunctions / Yes• Orde		
• FTP PYes• CCPYes• CCPYes• CCPYes• EMD - dives specific informationYes• RMS - function (elegination/location designation)Yesproduct functionYes• PROFINET 10 diagnosisYes• RMCPCINET 10 diagnosisYes• In Ki checkNo• connection monitoring IP-AliveNo• connection monitoring IP-AliveYes• context Interfores / VLANYes• product function-• context Interfores / VLANYes• product function-• context Interfores / VLANYes• context Interfores / VLANYes• product functions / VLANYes• context Interfores / Ye		
• CDPYesiLLOPYesiLMU - device specific informationYes• ILMU - device specific informationYesproduct functions / diagnetiosYesproduct functions / diagnetiosYesproduct functions / diagnetiosYes• IRNG - NET I/O algonoisYes• Connection monitoring IP-AlveNo• Connection monitoring IP-AlveYes• SNMP viYes• OHCP DereverYes• OHCP DereverYes• SNMP viYes• SNMP vi <td></td> <td></td>		
Identification & maintenance function         Yes           IBM1 - ingine level designation         Yes           product function         //lignation           Product function         //lignation           • IRROFINET IC/ diagnosis         Yes           • Connection monitoring IP-Alve         No           • Connection monitoring IP-Alve         No           • Connection monitoring IP-Alve         No           • SNMP V3         Yes           • Systop         Yes           • SNMP V3         Yes           • SNMP V4         Yes           • SNMP V3         Yes           • SNMP V4         Yes           • SNMP V3         Yes           product functions / ULAN         Yes           product functions / OHCP         Yes           product functions / OHCP         Yes           product functions / Redundancy         Yes           product functions / accurity         Yes           Product functions / accurity         Yes           Not Constance         Yes           • STRP ACS         Yes <td></td> <td></td>		
• 4.840 - device-specific informationYesproduct function / degination/location designationproduct function / degination• PROFINET / OrdanponisYes• Ink checkNo• Contraction monitoring IP-AlveNo• Contraction via A erroscoutYes• Station via A erroscoutYes• OthCP erroscout / Supported-• OthCP erroscout / Supported-• OthCP erroscout / FeaturityYes• Product function-• Station / AccurateYes• Station / AccurateYes• Product function-• Station / AccurateYes• Station / AccurateYes• Station / AccurateYes• Station / AccurateYes• Station / Station / Station / YesYes• NTPYes• Station / Stati		res
• Multipler level designation/location designationYesproduct functions / lagnosticsYes• PROFINET IC diagnosisYes• Ink checkNo• connection monitoring IP-AliveNo• connection monitoring IP-AliveYes• SystingYes• product functions / supportedYes• SystingYes• SiMMP v2Yes• SiMMP v3Yes• SiMMP v4Yes• SiMMP v3Yes• SiMMP v3Yes• SiMMP v4Yes• SiMMP v3Yes• SiMMP v3Yes• SiMMP v3Yes• Simmet functions / VLANYesproduct functions / DRCPYes• Order functions / DRCPYes• Order functions / DRCPYes• Order functions / NetPYes• Order functions / NetPYes• Order functions / returnationsYes• DRCP Option 82Yes• DRCP Option 82Yes• DRCP Option 82Yes• Order functions / returnationsYes• NSTPYes• Order functions / supportedYes• ACL - MAC-basedYes• ACL - MAC-basedYes• NATIONSYes• NTPYes• Stamagement security, ACL-IP basedYes• NTP/ACSYes• NTP/ACSYes• NTP/ACSYes• NTP/ACSYes• NTP/ACSYes• NTP/ACSYes• NTP/ACSYes <td></td> <td>Vaa</td>		Vaa
product functions / diagnostics <ul> <li>PROCINET IO diagnosts</li> <li>Yes</li> <li>inik check</li> <li>inik check</li> <li>inik check</li> <li>inik check</li> <li>inik check</li> <li>iconection monitoring IP-Alwe</li> <li>iconection IP-Ves</li> <li>iconecone IP-Ves</li> <li>iconecone IP-Ves</li></ul>	•	
product function         Yes           • Ink check         No           • contraction monitoring IP-Alive         No           • contraction with Aeroscout         Yes           • SNMP v1         Yes           • SNMP v2         Yes           • SNMP v3         Yes           product functions / VLAN         Yes           product functions / VLAN         Yes           product functions / DHCP         Product functions / DHCP           product functions / DHCP         Yes           • OHCP client         Yes           • DHCP client         Yes           • DHCP client         Yes           • STPIFNSTP         Yes           • STPIFNSTP         Yes           • STP         Yes           • STP         Yes           • Cold - MAC-based         Yes           • NATAAPT         Yes           • STPIFNESP         Yes           • Cold - MAC-based         Yes           • Cold - MAC-based         Yes           • Cold - MAC-based         Yes		res
• IPROFINET IO cliagnosis         Yes           • Init check         No           • connection monitoring IP-Alive         No           • connection monitoring IP-Alive         Yes           • Systal Operation via Aeroscout         Yes           • Systal Operation Via Aroscout         Yes           • Systal Operation Via Aroscout         Yes           • Order function VIAN with WLAN         Yes           • Order function S DIOC         Yes           • OHCP Option 82         Yes           • Orde		
· link checkNo· connection monitoring IP-AliveNo· connection monitoring IP-AliveNo· connection was AeroscoutYes· standardYes· protocol / is supportedYes· SNMP v1Yes· SNMP v3Yesproduct functions / VLANYesproduct functions / VLANYesproduct functions / DHCPYesproduct functions / DHCP enereYes· DHCP Depton 8Yesproduct functions / redundancyYesproduct functions / redundancyYesproduct functions / securityYesproduct functionYes· ACL - MAC-basedYes· RSTPYes· anagement security, ACL-IP basedYes· NaTI-ARPTYes· wPAWPA2Yes· NaTI-ARPTYes· SSHALPSYes· STIP/AESYes· NTPYes· SNTPYes· SNTPYes· SNTPYes· SNTPYes· SNTPYes· StandardYes· Standards. specifications / specifications / filme· NTPYes· SNTPYes· SNTPYes· Standards. specifications / filmeYes· Standards. specifications / filmeYes· Standards. specifica	-	
• connection monitoring IP-AliveNo• localization via ArrescoutYes• SysLogYesprotocol / is supportedYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yesproduct functionYes• function VLAN with IVLANYes• function VLAN with IVLANYes• function VLAN with IVLANYes• function S/ DHCPYes• function S/ DHCPYes• DHCP clientYes• DHCP ServerYes• DHCP ServerYes• STP/RSTPYes• STP/RSTPYes• RSTPYes• RSTPYes• Noticol functionYes• Noticol function S / securityYes• Noticol function S / securityYes• DHCP DeproveYes• STP/RSTPYes• RSTPYes• RSTPYes• NACI- MAC-basedYes• NACINAPTYes• NACINAPTYes• NATINAPTYes• NTPYes• NTPYes• SIMATIC Time yretorization		
• localization via AeroscoutYes• orbitacid //s supportedYes• SNMP v1Yes• SNMP v2Yes• SNMP v3Yes• SNMP v3Yesproduct functions / VLANYesproduct functions / DHCPYes• function VLAN with IVLANYesproduct functions / DHCPYesproduct functions / DHCPYesproduct functions / DHCPYes• DHCP Option 82Yes• DHCP Option 82Yesproduct functions / restrictYes• DHCP Option 82Yesproduct functions / restrictYes• DHCP Option 82Yesproduct functions / restrictYesproduct functions / restrictYesproduct functions / restrictYesinstriptions / restrictYesproduct functions / restrictYesinstriptions / restrictYesinstriptions / restrictYesinstriptions / restriptionsYesinstriptions / restriptionYesinstriptions / restriptionYesinstriptions / restriptionYesinstriptions / restriptions / restriptionYesinstriptions / restriptionYesinstriptions / restriptionYes <t< td=""><td></td><td></td></t<>		
• SysLogYesprotect/ is supportedYes• SNMP v1Yes• SNMP v2Yes> SNMP v3Yesproduct functionYesproduct function / DHCPYesproduct function / DHCPYesproduct function / DHCP enverYes• DHCP Option 82Yesproduct function / for undancyYesproduct function / for undancyYesindical (adus)Yes· NAT/NAPTYes· NAT/NAPTYes· NAT/NAPTYes· NAT/NAPTYes· NATIONYes· NATIONYes· NATIONYes· NATIONYes· NATIONYes· NATIONYes· NATIONYes· NATIONYes· NATIONYes· SIMATIC time synchronization (SIMATIC Time)Yes <td></td> <td></td>		
protocol / is supported     Yes       • SMMP v1     Yes       • SMMP v2     Yes       • SMMP v3     Yes       product functions / VLAN     Yes       product function     ////////////////////////////////////		
SNMP v1YesSNMP v2YesSNMP v3Yesproduct functions / VLANYesproduct functions / VLAN with IVLANYesproduct functions / DHCPproduct functions / DHCPYesproduct functions / DHCP PointYesproduct functions / DHCP PointYesDHCP Point R2Yesproduct functions / redundancyYesprotocol / is supportedYese. STP/RSTPYesYesYesproduct functionYese. STP/RSTPYesproduct functionYese. STP/RSTPYesproduct functionYese. StP/RSTPYesproduct functionYese. StP/RSTPYesproduct functionYese. StP/RSTPYesproduct functionYese. StP/RSTPYesi. EEEE 802.1x (radius)Yese. StP/RSTYesprotocol / is supportedYese. StP/RSTYesprotocol / is supportedYese. SSHYese. SSHYese. SNTPYese. SIMATIC time synchronization (SIMATIC Time)YesstandardFM 5411: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4, FMI6US0206Xcertificate of suitabilityFM 5411: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IC, T4, FMI6US0206X		Yes
SNMP v2     SNMP v3     Yes  product functions / VLAN  product functions / VLAN  product functions / VLAN  product functions / VLAN  product function      DHCP client     Yes      DHCP Option 82     Yes  protocol / is supported      STPR      FSTP      Yes      ACL - MAC-based     Yes      management security, ACL-IP based     Yes      itEEE 802 1x (radius)     Yes      itEE 802 1x (radius)		
• SNMP v3     Yes       product functions / VLNN        product functions / OLOP     Yes       product functions / DHCP     Yes       product functions / OHCP     Yes       product functions / OHCP     Yes       DHCP Option 82     Yes       DHCP Option 82     Yes       product functions / rodundary     Yes       product functions / security     Yes       product functions / security     Yes       product functiona     Yes       • ACL - MAC-based     Yes       • Interface functiona     Yes       • ACL - MAC-based     Yes       • RSTP     Yes       • Res protection according to IEEE802.11i     Yes       • NAT/NAPT     Yes       • NAT/NAPT     Yes       • SSH     Yes       • Protocol / is supported     Yes       • SSH     Yes       • SNTP     Yes       • SNTP     Yes       • SMATIC time synchronization (SIMATIC Time)		
product functions / VLAN         Yes           product function         Yes           product functions / DHCP         Product functions / DHCP           product function         Yes           DHCP client         Yes           DHCP option 82         Yes           protocor functions / redundancy         Yes           protocor / is supported         STP/RSTP           STP/RSTP         Yes           extrement security         Yes           product functions / security         Yes           product function         Yes           ACL - MAC-based         Yes           interface 802 fix (radius)         Yes           issported         Yes           issported         Yes           issported         Yes           issported         Yes           issported         Yes           isstift         Yes           isstift         Yes           istandard         Yes		
product function              • function VLAN with IWLAN             Yes            product functions / DHCP             product function             • DHCP server             · DHCP server             · DHCP option 82             Yes            product functions / bHCP option 82          Yes            product functions / redundancy          Yes            product functions / redundancy          Yes            product functions / redundancy          Yes            product functions / security          Yes            product function          • STP/RSTP            • ACL - MAC-based          Yes            product function          • ACL - MAC-based            • IEEE BO2.1s (radius)          Yes            • IEEE BO2.1s (radius)          Yes            • NAT/NAPT          Yes            • NAT/NAPT          Yes            • TKIP/AES          Yes            protocol / is supported          Yes            • SSH          Yes            protocol / is supported          Yes            • SNTP          Yes            • SIMATIC time synchronization (SIMATIC Time)		Yes
product functions / DHCP           product function           • DHCP client           • DHCP Option 82           protocol / is supported           • STP/RSTP           • NSTP           • RSTP           • RSTP           • RSTP           • Yes           • MSTP           • RSTP           • RSTP           • RSTP           • Yes           • MSTR           • RSTP           • Product function           • ACL - MAC-based           • management security, ACL-IP based           • lEEE 802.1x (radius)           • NAT/NAPT           • Ves           • NAT/NAPT           • WPA/WPA2           • TKIP/AES           • SSH           • SSH           • SSH           • SSH           • SSH           • SSINTP           • SIMATIC time synchronization (SIMATIC Time)           protocol / is supported           • NTP           • SIMATIC time synchronization (SIMATIC Time)           * standard           • for FM           • for FM           • for FM	-	
product function     Yes       • DHCP client     Yes       • DHCP option 82     Yes       product functions / redundancy     Protocol / is supported       • STP/RSTP     Yes       • MSTP     Yes       • RSTP     Yes       product functions / security     Yes       product functions / security     Yes       product function     * (ACL - MAC-based       • ACL - MAC-based     Yes       • management security, ACL-IP based     Yes       • IEEE 802.1x (radius)     Yes       • NATINAPT     Yes       • access protection according to IEEE802.111     Yes       • WPAWPA2     Yes       • TKIP/AES     Yes       protocol / is supported     Yes       • SSH     Yes       • SSH     Yes       • NTP     Yes       • SIMATIC time synchronization (SIMATIC Time)     Yes       standard     • for FM       • for FM     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC.       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC.		Yes
DHCP client     Yes     DHCP option 82     Yes     DHCP option 82     Yes     DHCP option 82     Yes     Product functions / redundancy     FTP/RSTP     Yes     NSTP     Yes     NSTP     Yes     Yes     Yes     Yes      Product function / security      product function     ACL - MAC-based     Yes     Yes     NAT/NAPT     Yes     ACL - MAC-based     Yes     Yes     Yes     NAT/NAPT     Yes     Yes		
DHCP server Yes     DHCP Option 82     Yes  product functions / redundancy  protocol / is supported     STP/RSTP     Yes     NSTP     Yes     Yes  product functions / security  product function     ACL - MAC-based     Yes     Product function     ACL - MAC-based     Yes     Yes  product function     ACL - MAC-based     Yes     NATNAPT     Yes     NATNAPT     Yes     Yes     Yes     Yes     Yes  protocol / is supported     Yes     Yes  protocol / is supported     Yes     Yes  protocol / is supported     Yes     Yes	•	
• DHCP Option 82     Yes       product functions / redundancy        protocol / is supported        • STP/RSTP     Yes       • MSTP     Yes       • RSTP     Yes       • RSTP     Yes       product functions / security     Yes       product function     Yes       • 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       • WPAWPA2     Yes       • TKIP/AES     Yes       protocol / is supported     Yes       • SSH     Yes       • RADIUS     Yes       protocol / is supported     Yes       • NTP     Yes       • SIMATIC time synchronization (SIMATIC Time)     Yes       standards, specifications, approvals     Yes       standard     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class I, Zone 2, Group IIC, T4, FMIBUS0205X		
product functions / redundancy         protocol / is supported         • STP/RSTP       Yes         • MSTP       Yes         • RSTP       Yes         product function       / Yes         • ACL - MAC-based       Yes         • management security, ACL-IP based       Yes         • IEEE 802.1x (radius)       Yes         • NATIVAPT       Yes         • access protection according to IEEE802.11i       Yes         • NATIVAPT       Yes         • access protection according to IEEE802.11i       Yes         • NEP/AWPA2       Yes         • TKIP/AES       Yes         • SSH       Yes         • RADIUS       Yes         protocol / is supported       Yes         • SIMATIC time synchronization (SIMATIC Time)       Yes         standards, specifications, approvals       Yes         standard       FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class I, Zone 2, Group IIC, T4, FM16US0205A		
protocol / is supported     Yes       • MSTP     Yes       • MSTP     Yes       • RSTP     Yes       product function     *       • ACL - MAC-based     Yes       • management security, ACL-IP based     Yes       • IEEE 802.1x (radius)     Yes       • NAT/NAPT     Yes       • NAT/NAPT     Yes       • access protection according to IEEE802.111     Yes       • TKIP/AES     Yes       • TKIP/AES     Yes       protocol / is supported     Yes       • SSH     Yes       • RADIUS     Yes       protocol / is supported     Yes       • SIMF     Yes       sSH     Yes       standards, specifications, approvals     Yes       standard     • for FM       • for FM     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X		Yes
STP/RSTPYes• MSTPYes• RSTPYesproduct functions / securityproduct function• ACL - MAC-basedYes• management security, ACL-IP basedYes• IEEE 802.1x (radius)Yes• NAT/NAPTYes• NAT/NAPTYes• NAT/NAPTYes• TKIP/AESYes• TKIP/AESYes• TKIP/AESYes• TKIP/AESYes• NATOL functions / timeYes• NTPYes• SIMATIC time synchronization (SIMATIC Time)Yes• standards, specifications, approvalsYesstandardFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	product functions / redundancy	
• MSTPYes• RSTPYesproduct functionproduct functionYes• ACL - MAC-basedYes• management security, ACL-IP basedYes• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA/WPA2Yes• TKIP/AESYesprotocol / is supportedYes• RADIUSYesprotocol / is supportedYes• SSHYes• NTPYes• SNTPYes• SINTPYes• SINTPYes• SINTPYes• SIMATIC time synchronization (SIMATIC Time)Yesstandards, specifications, approvalsFM 3611: Class 1, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205Xcertificate of suitabilityFM 3611: Class 1, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X		
• RSTP       Yes         product function       ·         product function       Yes         • ACL - MAC-based       Yes         • management security, ACL-IP based       Yes         • management security, ACL-IP based       Yes         • RADE B02.1x (radius)       Yes         • NAT/NAPT       Yes         • access protection according to IEEE802.11i       Yes         • WPA/WPA2       Yes         • TKIP/AES       Yes         • TKIP/AES       Yes         • SSH       Yes         • RADIUS       Yes         • RADIUS       Yes         • NTP       Yes         • SIMATIC time synchronization (SIMATIC Time)       Yes         standards, specifications, approvals       Yes         standards       FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	STP/RSTP	Yes
product functions / security         product function <ul> <li>ACL - MAC-based</li> <li>Yes</li> <li>management security, ACL-IP based</li> <li>Yes</li> <li>iEEE 802.1x (radius)</li> <li>Yes</li> <li>NAT/NAPT</li> <li>Yes</li> <li>access protection according to IEEE802.11i</li> <li>Yes</li> <li>access protection according to IEEE802.11i</li> <li>Yes</li> <li>TKIP/AES</li> <li>Yes</li> </ul> <li>protocol / is supported</li> <li>SSH</li> <li>Yes</li> <li>Product functions / time</li> <li>protocol / is supported</li> <li>SNTP</li> <li>SIMP</li> <li>Yes</li> <li>SIMATIC time synchronization (SIMATIC Time)</li> <li>Yes</li> <li>standards, specifications, approvals</li> <li>standard         <ul> <li>for FM</li> <li>FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X</li> </ul> </li>	• MSTP	Yes
product function     Yes       • 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     Yes       • SSH     Yes       • RADIUS     Yes       product functions / time     Yes       protocol / is supported     Yes       • SNTP     Yes       • SIMATIC time synchronization (SIMATIC Time)     Yes       standards, specifications, approvals     Yes       standard     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM18US0205X	RSTP	Yes
ACL - MAC-basedYes• management security, ACL-IP basedYes• IEEE 802.1x (radius)Yes• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPAWPA2Yes• WPAWPA2Yes• TKIP/AESYesprotocol / is supportedYes• RADIUSYesprotocol / is supportedYes• RADIUSYesprotocol / is supportedYes• RADIUSYesprotocol / is supportedYes• STHYesstandards, specifications, approvalsYesstandardFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	product functions / security	
• management security, ACL-IP basedYes• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA/WPA2Yes• TKIP/AESYesprotocol / is supportedYes• SSHYes• RADIUSYesprotocol / is supportedYes• NTPYes• SNTPYes• SIMATIC time synchronization (SIMATIC Time)Yesstandards, specifications, approvalsYesstandardFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	product function	
• IEEE 802.1x (radius)Yes• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA/WPA2Yes• TKIP/AESYesprotocol / is supportedYes• SSHYes• RADIUSYesprotocol / is supportedYes• SSHYes• RADIUSYesprotocol / is supportedYes• STPYes• NTPYes• SIMATIC time synchronization (SIMATIC Time)Yesstandards, specifications, approvalsFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205Xcertificate of suitabilityFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	<ul> <li>ACL - MAC-based</li> </ul>	Yes
• NAT/NAPTYes• access protection according to IEEE802.11iYes• WPA/WPA2Yes• TKIP/AESYes• TKIP/AESYesprotocol / is supportedYes• SSHYes• RADIUSYesprotocol / is supportedYes• RADIUSYesprotocol / is supportedYes• STPYes• NTPYes• SIMATIC time synchronization (SIMATIC Time)Yesstandards, specifications, approvalsYesstandard• for FM• for FMFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	<ul> <li>management security, ACL-IP based</li> </ul>	Yes
• access protection according to IEEE802.11iYes• WPA/WPA2Yes• TKIP/AESYesprotocol / is supportedYes• SSHYes• RADIUSYesproduct functions / timeYesprotocol / is supportedYes• NTPYes• SNTPYes• SIMATIC time synchronization (SIMATIC Time)Yesstandards, specifications, approvalsYesstandardFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205Xcertificate of suitability	• IEEE 802.1x (radius)	Yes
• WPA/WPA2Yes• TKIP/AESYesprotocol / is supportedYes• SSHYes• RADIUSYesproduct functions / timeYesprotocol / is supportedYes• NTPYes• SNTPYes• SIMATIC time synchronization (SIMATIC Time)Yesstandards, specifications, approvalsYesstandardFM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205Xcertificate of suitabilityYes	NAT/NAPT	Yes
• TKIP/AES       Yes         protocol / is supported       /         • SSH       Yes         • RADIUS       Yes         protocol / is supported       /         • NTP       Yes         • SNTP       Yes         • SIMATIC time synchronization (SIMATIC Time)       Yes         standards, specifications, approvals       Yes         standard       • for FM         for FM       FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	<ul> <li>access protection according to IEEE802.11i</li> </ul>	Yes
protocol / is supported       Yes         • SSH       Yes         • RADIUS       Yes         product functions / time       Yes         protocol / is supported       Yes         • NTP       Yes         • SNTP       Yes         • SIMATIC time synchronization (SIMATIC Time)       Yes         standards, specifications, approvals       Yes         standard       FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X         certificate of suitability       FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	WPA/WPA2	Yes
• SSH     Yes       • RADIUS     Yes       product functions / time     Protocol / is supported       • NTP     Yes       • SNTP     Yes       • SIMATIC time synchronization (SIMATIC Time)     Yes       standards, specifications, approvals     Yes       standard     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class I, Zone 2, Group IIC, T4, FM16US0205X	• TKIP/AES	Yes
• RADIUS       Yes         product functions / time	protocol / is supported	
product functions / time         protocol / is supported         • NTP         • SNTP         • SIMATIC time synchronization (SIMATIC Time)         Yes         standards, specifications, approvals         standard         • for FM         FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X         certificate of suitability	• SSH	Yes
protocol / is supported     Yes       • NTP     Yes       • SNTP     Yes       • SIMATIC time synchronization (SIMATIC Time)     Yes       standards, specifications, approvals     Yes       standard     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class I, Zone 2, Group IIC, T4, FM16US0205X	RADIUS	Yes
• NTP     Yes       • SNTP     Yes       • SIMATIC time synchronization (SIMATIC Time)     Yes       standards, specifications, approvals     Yes       standard     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class I, Zone 2, Group IIC, T4, FM16US0205X	product functions / time	
• SNTP     Yes       • SIMATIC time synchronization (SIMATIC Time)     Yes       standards, specifications, approvals     standard       • for FM     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	protocol / is supported	
• SIMATIC time synchronization (SIMATIC Time)     Yes       standards, specifications, approvals       standard     • for FM       • for FM     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	• NTP	Yes
standards, specifications, approvals         standard         • for FM         FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X         certificate of suitability	• SNTP	Yes
standard     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	<ul> <li>SIMATIC time synchronization (SIMATIC Time)</li> </ul>	Yes
standard     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X       certificate of suitability     FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4, FM16US0205X	standards, specifications, approvals	
T4, FM16US0205X		
certificate of suitability	● for FM	
EC Declaration of Conformity Yes	certificate of suitability	
	EC Declaration of Conformity	Yes

<ul> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul> security information security information	http://www.siemens.com/industry/infocenter         http://automation.siemens.com/bilddb         http://www.siemens.com/cax         http://www.siemens.com/cax         http://support.industry.siemens.com         Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be
<ul> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	http://www.siemens.com/industry/infocenter         http://automation.siemens.com/bilddb         http://www.siemens.com/cax         https://support.industry.siemens.com         Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or
<ul> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax
<ul> <li>to website: Information and Download Center</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax
<ul><li>to website: Information and Download Center</li><li>to website: Image database</li></ul>	http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
-	
• to website. Industry Mail	<u>nups.//mai.industry.siemens.com</u>
<ul> <li>to website: Industry Mall</li> </ul>	https://mall.industry.siemens.com
• to the website: IWLAN	http://www.siemens.com/iwlan
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
• to website: TIA Selection Tool	http://www.siemens.com/tia-selection-tool
internet link	
further information / internet links	
accessories	24 V DC screw terminal included in scope of delivery
accessories	
GB standard • as marking	Ex nA IIC T4 Gc
certificate of suitability / CCC / for hazardous zone accord	B, C, D, T4 / Cl. 1, Zone 2, GP IIC E240480
from CSA and UL	0145X ANSI/ISA 12.12.01-2013, CAN/CSA C22.2 No.213-M1987, Cl. 1, div. 2, GP. A,
standard / for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX
standards, specifications, approvals / hazardous enviro	
Royal Institution of Naval Architects (RINA)	Yes
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes
Nippon Kaiji Kyokai (NK)	Yes
Lloyds Register of Shipping (LRS)	Yes
Korean Register of Shipping (KRS)	Yes
<ul> <li>French marine classification society (BV)</li> <li>DNV GL</li> </ul>	Yes
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>Erench marine classification society (BV)</li> </ul>	Yes
Marine classification association	Yes
standards, specifications, approvals / marine classifica	
wireless approval	You will find the current list of countries at: www.siemens.de/funkzulassungen
IEEE 802.11n	Yes You will find the current list of countries at: www.siemens.de/funkzulassungen
• IEEE 802.11i	Yes
• IEEE 802.11h	Yes
• IEEE 802.11g	Yes
• IEEE 802.11e	Yes
• IEEE 802.11b	Yes
• IEEE 802.11a	Yes
standard for wireless communication	
Power-over-Ethernet according to IEEE802.3at for	type 2 Yes
Power-over-Ethernet according IEEE802.3at for typ and IEEE802.3af	
• NEMA4X	No
• IEC 61850-3	No
• IEC 61375	No
• NEMA TS2	No
<ul> <li>railway application in accordance with EN 50121-4</li> </ul>	No
<ul> <li>railway application in accordance with EN 50155</li> </ul>	No
• E1 approval	No
• C-Tick	Yes
• CE marking	Yes

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