

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SCALANCE

6GK5774-1FX00-0AB0

INDUSTRIAL WIRELESS ACCESS POINT

Used with the applicable SCALANCE W industrial WLAN configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation

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.

Technical Product Detail Page

<https://i.siemens.com/1P6GK5774-1FX00-0AB0>

transfer rate

transfer rate

- with WLAN / maximum 300 Mbit/s
- for Industrial Ethernet 10, 100 Mbit/s

interfaces

number of electrical connections

- for network components or terminal equipment 2
- for power supply 1
- for redundant voltage supply 1

type of electrical connection

- for network components or terminal equipment RJ45 socket
- for power supply 4-pole screw terminal, PoE

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
 - from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af 48 V
- consumed current
 - at DC / at 24 V / typical 0.25 A
 - with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 0.125 A
- power loss [W]
 - at DC / at 24 V / typical 6 W
 - with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical 6 W
- supply voltage / 1

• from terminal block	19.2 V
supply voltage / 2	
• from terminal block	28.8 V
ambient conditions	
ambient temperature	
• during operation	-20 ... +60 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity / at 25 °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
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
radio frequencies	
operating frequency	
• for WLAN in 2.4 GHz frequency band	2.41 ... 2.48 GHz; depending on the country approvals
• for WLAN in 5 GHz frequency band	4.9 ... 5.8 GHz; depending on the country approvals
product features, product functions, product components / general	
product function / Access Point Mode	Yes
product function / client Mode	Yes
number of SSIDs	4
product function	
• iPCF Access Point	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures'
• iPCF client	Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'
• iPCF-MC Access Point	No
• iPCF-MC client	Yes; Only in combination with the 'KEY-PLUG W740 iFeatures'
number of iPCF-capable radio modules	1
product function / iREF	Yes; Only in combination with the 'KEY-PLUG W780 iFeatures' or 'KEY-PLUG W740 iFeatures'
number of iREF-capable radio modules	1
product function / iPRP	Yes; In combination with the 'KEY-PLUG W780 iFeatures' only
product functions / management, configuration, engineering	
number of manageable IP addresses / in client	8
product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• configuration with STEP 7	Yes
• configuration with STEP 7 in the TIA Portal	Yes
• operation with IWLAN controller	No
• operation with Enterasys WLAN controller	No
• forced roaming on IP down with IWLAN	Yes
• forced roaming on link down with IWLAN	Yes
• WDS	Yes