

Product-type designation

SCALANCE W786-2HPW



IWLAN ACCESS POINT SCALANCE W786-2HPW FOR USE WITH HIPATH WLAN CONTROLLER NOTE NATIONAL APPROVALS, 48VDC, IP65(-40-+70 DGR C) 4XINTERNAL ANTENNAS 2 RADIO INTERFACES, POE, RJ45 (TWISTED PAIR) SOCKET SCOPE OF SUPPLY: MOUNTING MATERIAL, MANUAL GERMAN / ENGLISH

Transmission rate

Transmission rate

- with W-LAN / maximum
- with Industrial Ethernet
- note

54 Mbit/s

10 ... 100 Mbit/s

Due to the simultaneous use of several radio channels, a transmission rate of 108 Mbit/s is possible (turbo mode)

Interfaces

Number of electrical connections

- for network components and terminal equipment
- for power supply
- for redundant power supply

1

1

1

Design of the electrical connection

- for network components and terminal equipment
- for power supply

RJ45 socket

2-pole connector (48 V DC) or optionally available power supply adapter (4-pole 24 V DC or 3-pole 110 to 230 V AC)

design of the removable storage / C-PLUG

Yes

Interfaces / wireless

Number of radio cards / permanently installed

2

Number of internal antennas

4

Supply voltage, current consumption, power loss

Type of / supply voltage	DC
Supply voltage	
• from Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af	48 V
Current consumed	
• at 24 V / with DC / typical	0.34 A
• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical	0.34 A
Active power loss	
• at 24V / for DC / typical	8 W
• with Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af / typical	8 W
Permitted ambient conditions	
Ambient temperature	
• during operating	-40 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Relative humidity / at 25 °C / without condensation / during operating / maximum	100 %
Protection class IP	IP65
Ambient condition / for (standard) operation mode	When using the power supply 100 to 240 V AC, an operating temperature of -40 °C to +60 °C is permissible
Design, dimensions and weight	
Width / of enclosure / without antenna	251 mm
Height / of enclosure / without antenna	251 mm
Depth / of enclosure / without antenna	72 mm
Net weight	2.24 kg
Mounting type / wall mounting	Yes
Mounting type	For mast mounting, 35 mm DIN rail mounting and S7-300 rail mounting, an additional support plate is required
Wireless frequencies	
Radio frequency	
• for WLAN in 2.4 GHz frequency band	2.41 ... 2.48 GHz
• for WLAN in 5 GHz frequency band	4.9 ... 5.8 GHz
Product properties, functions, components / general	
Product function	
• Access Point Mode	Yes
• Client Mode	No
Product functions / management, configuration	
Product function	
• operation with IWLAN controller	Yes

• operation with Enterasys WLAN controller	Yes
Standards, specifications, approvals	
Standard	
• for EMC / from FM	FM 3611: Class I, Division 2, Groups A,B,C,D, T4 / Class 1, Zone 2, Group IIC, T4
• for hazardous zone	EN 60079-15:2005, EN 60079-0:2006, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• for safety / of CSA and UL	UL 60950-1 CSA C22.2 No. 60950-1
• for hazardous area / of CSA and UL	UL 1604, CSA C22.2 No. 213-M1987, CL. 1, Div. 2, GP. A,B,C,D, T4 / CL. 1, Zone 2, GP IIC, T4
Verification of suitability	
• CE mark	Yes
• EC declaration of conformity	Yes
• C-Tick	Yes
• Railway application in accordance with EN 50155	No
• E1 approval	Yes
• NEMA4X	Yes
• Power-over-Ethernet according IEEE802.3at for type 1 and IEEE802.3af	Yes
Standard for wireless communication	
• IEEE 802.11a	Yes
• IEEE 802.11b	Yes
• IEEE 802.11g	Yes
• IEEE 802.11h	Yes
• IEEE 802.11n	No
Wireless approval	You will find the current list of countries at: www.siemens.de/funkzulassungen
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (NK)	Yes
• Polski Rejestr Statkow (PRS)	No
Accessories	
Accessories	48 V DC terminal block included in scope of delivery
Further Information / Internet Links	
Internet-Link	
• to website: Industry Mall	https://www.siemens.com/industrymall
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<http://support.automation.siemens.com>

Security information

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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 considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>.

To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>.
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letzte Änderung:

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