

product type designation



W1750D-2IA RJ45 Direct AP (USA)

***** spare part ***** WLAN access point, SCALANCE W1750D-2IA RJ45, 2 radios, controller operation without WLC, internal antennas, IEEE802.11ac wave2 AP, MU-MIMO, gross up to 800 Mbit/s (2.4 GHz) gross up to 1.7 Gbit/s (5 GHz), 2x RJ45, PoE, USB, 0 °C to +50 °C, observe national approval! cert ID includes: MPCIE scope of delivery: DVD, Quick Start Guide (en) manuals ceiling bracket type: US.

transfer rate	
transfer rate	
<ul style="list-style-type: none"> with WLAN / maximum 	2500 Mbit/s
<ul style="list-style-type: none"> with WLAN / in the 2,4 GHz frequency band / maximum 	800 Mbit/s
<ul style="list-style-type: none"> with WLAN / in the 5 GHz frequency band / maximum 	1733 Mbit/s
<ul style="list-style-type: none"> for Industrial Ethernet 	10, 100, 1000 Mbit/s
transfer rate / for Industrial Ethernet	
<ul style="list-style-type: none"> minimum 	10 Mbit/s
<ul style="list-style-type: none"> maximum 	2000 Mbit/s
transfer rate / note	Max. transmission rate each for aggregation
interfaces	
number of electrical/optical connections / for gigabit Ethernet / maximum	2
number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment 	2
<ul style="list-style-type: none"> for power supply 	1
<ul style="list-style-type: none"> for redundant voltage supply 	0
number of interfaces / according to USB	1
type of electrical connection	
<ul style="list-style-type: none"> for network components or terminal equipment 	RJ45 socket
<ul style="list-style-type: none"> for power supply 	DC plug 2.1/5.5-mm (2.1/5.5-mm center-positive circular plug with 9.5 mm length)
<ul style="list-style-type: none"> of the USB interface 	USB2.0 Type A
interfaces / wireless	
number of radio cards / permanently installed	2
transmission mode / for multiple input multiple output (MIMO)	4x4; 4 spatial streams SU-MIMO for up to 1733 Mbps - 3 spatial streams MU-MIMO for up to 1300 Mbps
number of spatial streams	4
number of internal antennas	8
antenna gain compared to spherical radiator / of the WLAN antenna	
<ul style="list-style-type: none"> in the 2.4 GHz frequency band 	3.5 dB
<ul style="list-style-type: none"> in the 5 GHz frequency band 	5 dB
supply voltage, current consumption, power loss	
type of voltage / of the supply voltage	DC
supply voltage	
<ul style="list-style-type: none"> from Power-over-Ethernet according to IEEE802.3at for type 1 and IEEE802.3af 	48 V

<ul style="list-style-type: none"> from Power-over-Ethernet according to IEEE802.3at for type 2 	48 V
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage 	0 ... 50 °C -40 ... +70 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	93 %
protection class IP	IP20
design, dimensions and weights	
width	210 mm
height	210 mm
depth	57 mm
width / of the enclosure / without antenna	210 mm
height / of the enclosure / without antenna	210 mm
depth / of the enclosure / without antenna	57 mm
net weight	0.95 kg
fastening method	Ceiling mounting
<ul style="list-style-type: none"> wall mounting 	No
radio frequencies	
operating frequency	
<ul style="list-style-type: none"> for WLAN in 2.4 GHz frequency band for WLAN in 5 GHz frequency band 	2.4 ... 2.48 GHz; depending on the country approvals 5.15 ... 5.85 GHz; depending on the country approvals
product features, product functions, product components / general	
product function / Access Point Mode	Yes
product function / client Mode	No
number of SSIDs	16
product function	
<ul style="list-style-type: none"> dual client 	No
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> CLI web-based management operation with IWLAN controller operation with Enterasys WLAN controller operation with Aruba Mobility Controllers 	Yes Yes No No Yes
product functions / Direct Access Point	
number supported Direct Access Point	128
operating mode / as Direct Access Point	Yes
product functions / DHCP	
product function	
<ul style="list-style-type: none"> DHCP client 	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> for safety / from CSA and UL 	UL/IEC/EN 60950
certificate of suitability	
<ul style="list-style-type: none"> EC Declaration of Conformity CE marking C-Tick E1 approval Power-over-Ethernet according to IEEE802.3at for type 2 	Yes Yes Yes No Yes
standard for wireless communication	
<ul style="list-style-type: none"> IEEE 802.11a IEEE 802.11b IEEE 802.11e IEEE 802.11g IEEE 802.11h IEEE 802.11i IEEE 802.11n 	Yes Yes Yes Yes Yes Yes Yes

wireless approval	You will find the current list of countries at: www.siemens.de/funkzulassungen
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> http://www.siemens.com/tia-selection-tool http://www.siemens.com/iwlan https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
security information	
security information	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 . (V3.4)

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