## **SIEMENS**

## Data sheet

## 6GK5788-2HY01-0AA0



IWLAN access point, SCALANCE W1788-2IA M12, 2 radios, 8 internal antennas, iFeatures support via CLP, IEEE 802.11a/b/g/h/n/ac, 2.4/5 GHz, gross 1733 Mbit/s per radio, 2x M12 max. 1 Gbit/s, PoE, redundant 24 V DC, M12 A-coded IP65, -20..+70 °C, CLP slot, WPA2/802.11i/e, observe national approvals! CERT ID: RAPAC-W2-M12-I4, includes: MPCIE-R1-ABGNAC-U4 Scope of delivery: Manuals on DVD, German/English, 1x terminal block; for operation outside of USA/Israel

Transfer rate	
Transfer rate	
<ul> <li>with WLAN / maximum</li> </ul>	1733 Mbit/s
<ul> <li>for Industrial Ethernet</li> </ul>	10, 100, 1000 Mbit/s
Transfer rate / for Industrial Ethernet	
• minimum	10 Mbit/s
• maximum	1000 Mbit/s
Interfaces	
Number of electrical/optical connections / for network	2
components or terminal equipment / maximum / Note	
Number of electrical/optical connections / for gigabit Ethernet / maximum	2
Number of electrical connections	
for network components or terminal equipment	2
• for power supply	-
<ul> <li>for redundant voltage supply</li> </ul>	1
Type of electrical connection	
	M12 interface (8 pole X coded) PoE
<ul> <li>for network components or terminal equipment</li> </ul>	M12 interface (8-pole, X-coded), PoE

design of the removable storage <ul> <li>CLP</li> <li>Ves</li> <li>CLP iFatures</li> <li>Yes</li> <li>Interfaces / wireless</li> <li>Number of radio cards / permanently installed</li> <li>2</li> <li>Transmission modo / for multiple input multiple output (MIMO)</li> <li>Number of spatial streams</li> <li>4</li> <li>Number of spatial streams</li> <li>4</li> <li>Number of of spatial streams</li> <li>4</li> <li>Number of internal antennas</li> <li>8</li> <li>Type of electrical connection / for external antenna(s)</li> <li>No</li> <li>Product feature / external antenna can be mounted</li> <li>No</li> <li>Supply voltage, current consumption, power loss</li> <li>Type of voltage / 0</li> <li>from M12 Power Connector (A-coded) for redundant power supply</li> <li>Supply voltage / 1</li> <li>from M12 Power Connector (A-coded) for redundant power supply</li> <li>Supply voltage / 2</li> <li>from M12 Power Connector (A-coded) for redundant power supply</li> <li>Supply voltage / 2</li> <li>from M12 Power Connector (A-coded) for redundant power supply</li> <li>Supply voltage / 2</li> <li>from Power-over-Ethernet acc. to IEEE802.3at for type 2</li> <li>form Power-over-Ethernet according to IEEEE802.3at for type 2 / typical</li> <li>et DC / at 24 V / typical</li> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEEE802.3at for type 2 / typical</li> <li>for type 2 / typical</li></ul>	• for power supply	M12 interface (4-pole, A-coded)
• CLP Features     Yes       Interfaces / vireless     2       Number of radio cards / permanently installed     2       Transmission mode / for multiple input multiple output (MIMO)     4x4       Number of spatial streams     4       Number of internal antennas     8       Type of electrical connection / for external antennas(s)     N-Connect (socket)       Product feature / external antenna can be mounted     No       directly on device     DC       Supply voltage / of the supply voltage     DC       Supply voltage / 1     (for m12 Power Connector (A-coded) for redundant power supply       Supply voltage / 2     if om M12 Power Connector (A-coded) for redundant power supply       Supply voltage / 2     if om M12 Power Connector (A-coded) for redundant power supply       Supply voltage / 2     0.7 A       if om M12 Power Connector (A-coded) for redundant power supply     31.2 V       Supply voltage     0.7 A       if on the 2 Power connector (A-coded) for redundant power supply     0.7 A       Supply voltage     0.7 A       if on the 2 Power connector (A-coded) for redundant power supply     0.385 A       IEEE802.3at for type 2 / typical     16.8 W       i at DC / at 24 V / typical     0.7 A       i with Power-over-Ethernet according to IEEE802.3at for type 2 / typical     16.8 W       i with Power-over-Ethernet according to	design of the removable storage	
Interfaces / wireless       Number of radio cards / permanently installed       2       Transmission mode / for multiple input multiple output (MIMO)       Number of spatial streams       4       Number of spatial streams       5       Product feature / external antenna can be mounted directly on device       Supply voltage / 1       • from M12 Power Connector (A-coded) for redundant power supply       Supply voltage / 2       • from M12 Power Connector (A-coded) for redundant power supply       Supply voltage       • from Power-over-Ethernet acc. to IEEE802.3at tor type 2 / typical       0.7 A       • with Power-over-Ethernet according to IEEEE02.3at for type 2 / typical       Power loss [M]       • at D C / at 24 V / typical       • with Power-over-Ethernet according to IEEEE02.3at for type 2 / typical       Power loss [M]       • at tor gaperature       • during operature       • during operature       • during operature       • during storage       • during storage       • during operation	• CLP	Yes
Number of radio cards / permanently installed       2         Transmission mode / for multiple input multiple output (MIMO)       4x4         Number of internal antennas       4         Number of spatial streams       4         Number of internal antennas       8         Type of electrical connection / for external antenna(s)       N-Connect (socket)         Product flaxture / external antenna can be mounted       No         Supply voltage, current consumption, power loss       0C         Supply voltage / 1       16.8 V         • from M12 Power Connector (A-coded) for redundant power supply       16.8 V         Supply voltage / 2       16.8 V         • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       0.7 A         • from Power-over-Ethernet acc: to IEEE802.3at for type 2 / typical       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       0.885 A         IEEE802.3at for type 2 / typical       18.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • with power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • with power-over-Ethernet according to IEEE802.3at	CLP iFeatures	Yes
Number of radio cards / permanently installed       2         Transmission mode / for multiple input multiple output (MIMO)       4x4         Number of internal antennas       4         Number of spatial streams       4         Number of internal antennas       8         Type of electrical connection / for external antenna(s)       N-Connect (socket)         Product flaxture / external antenna can be mounted       No         Supply voltage, current consumption, power loss       0C         Supply voltage / 1       16.8 V         • from M12 Power Connector (A-coded) for redundant power supply       16.8 V         Supply voltage / 2       16.8 V         • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       0.7 A         • from Power-over-Ethernet acc: to IEEE802.3at for type 2 / typical       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       0.885 A         IEEE802.3at for type 2 / typical       18.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • with power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • with power-over-Ethernet according to IEEE802.3at	Interfaces / wireless	
Transmission mode / for multiple input multiple output (MIMO)       4x4         Number of spatial streams       4         Number of internal antennas       8         Type of electrical connection / for external antenna(s)       N-Connect (socket)         Product feature / external antenna can be mounted directly on device       No         Supply voltage, current consumption, power loss       DC         Supply voltage / 1       6.8 V         • from M12 Power Connector (A-coded) for redundant power supply       16.8 V         Supply voltage / 2       18.8 V         • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       0.7 A         • for M12 Power connector (A-coded) for redundant power supply       0.7 A         Supply voltage       0.7 A         • for MP2 act (are thermet acc: to IEEE802.3 at for type 2       0.385 A         Consumed current       0.385 A         IEEEE02.3 at for type 2 / typical       0.385 A         Power loss [W]       18.8 W         • at DC / at 24 V / typical       18.8 W         • with Power-over-Ethernet according to IEEE802.3 at for type 2 / typical         Power loss [W]       18.5 W         • at DC / at 24 V / typical       18.8 W         • at DC / at 24 V / typical       0.40 +		2
(MIMO)     Image: Statial streams     4       Number of internal antennas     8       Type of electrical connection / for external antenna(s)     N-Connect (socket)       Product feature / external antenna can be mounted directly on device     No       Supply voltage, current consumption, power loss     Type of electrical connector (A-coded) for redundant power supply       Supply voltage / 1     16.8 V       • from M12 Power Connector (A-coded) for redundant power supply     18.8 V       Supply voltage / 2     31.2 V       • from M12 Power Connector (A-coded) for redundant power supply     31.2 V       Supply voltage / 2     31.2 V       • from M12 Power connector (A-coded) for redundant power supply     31.2 V       Supply voltage     0.7 A       • at DC / at 24 V / typical     0.7 A       • with Power-over-Ethernet according to IEEE802.3 at for type 2 / typical     0.385 A       Power loss [W]     • at DC / at 24 V / typical       • at DC / at 24 V / typical     16.8 W       • with Power-over-Ethernet according to IEEE802.3 at for type 2 / typical     15.5 W       Power loss [W]     • at DC / at 24 V / typical       • at DC / at 24 V / typical     16.8 W       • with Power-over-Ethernet according to IEEE802.3 at for type 2 / typical       Amblent temperature     - 40 +85 °C       • during operation     - 20 +70 °C		
Number of internal antennas       8         Type of electrical connection / for external antenna(s)       N-Connect (socket)         Product feature / external antenna can be mounted directly on device       No         Supply voltage. current consumption, power loss       DC         Supply voltage / 1       • from M12 Power Connector (A-coded) for redundant power supply       DC         Supply voltage / 2       • from M12 Power Connector (A-coded) for redundant power supply       18.8 V         Supply voltage / 2       • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       2       6 from Power-over-Ethernet acc. to IEEE802.3at for type 2       48 V         Consumed current       • at DC / at 24 V / typical       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       0.885 A         Power loss [W]       • at DC / at 24 V / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W       18.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W       18.8 W         • during operation       -20 +70 °C       -40 +85 °C       -40 +85 °C         • during operation       -40 +85 °C       -40 +85 °C       -40 +85 °C         • during operation / maxim	(MIMO)	
Type of electrical connection / for external antenna(s)       N-Connect (socket)         Product feature / external antenna can be mounted directly on device       No         Supply voltage, current consumption, power loss       DC         Supply voltage / 1       6         • from M12 Power Connector (A-coded) for redundant power supply       16.8 V         Supply voltage / 2       0         • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       48 V         • from Power-over-Ethernet acc. to IEEE802.3at for type 2       0.7 A         Consumed current       0.385 A         IEEE802.3at for type 2 / typical       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • at DC / at 24 V / typical       18.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.8 W         • at DC / at 24 V / typical       18.8 W         • at DC / at 24 V / typical       18.8 W         • during operation       -40 +85 °C         • during operation       -40 +85 °C         • during operation       90 %         • during operation / maximum       90 %		
Product feature / external antenna can be mounted directly on device       No         Supply voltage, current consumption, power loss       DC         Supply voltage / 1       • from M12 Power Connector (A-coded) for redundant power supply       18.8 V         Supply voltage / 2       • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage / 2       • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       A8 V         • from Power-over-Ethernet acc. to IEEE802.3at for type 2       0.7 A         Consumed current       0.385 A         • at DC / at 24 V / typical       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W         Power loss [W]       • at DC / at 24 V / typical       0.7 A         • at DC / at 24 V / typical       0.7 A       0.385 A         IEEE802.3at for type 2 / typical       16.8 W       18.5 W         • at DC / at 24 V / typical       16.8 W       18.5 W         • at DC / at 24 V / typical       16.8 W       18.5 W         • at DC / at 24 V / typical       18.5 W       18.5 W         IEEE802.3at for type 2 / typical       18.5 W       18.5 W         Reletive humidity / at 25 °C / without condensation / atming operation       -40 +85 °C		
directly on device         Supply voltage, current consumption, power loss         Type of voltage / 1         • from M12 Power Connector (A-coded) for redundant power supply         Supply voltage / 2         • from M12 Power Connector (A-coded) for redundant power supply         Supply voltage / 2         • from M12 Power Connector (A-coded) for redundant power supply         Supply voltage         • from Power-over-Ethernet acc. to IEEE802.3at for type 2         Consumed current         • at DC / at 24 V / typical         • at DC / at 24 V / typical         • bit C / at 24 V / typical         • at DC / at 24 V / typical         • at DC / at 24 V / typical         • at DC / at 24 V / typical         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical         Power loss [W]         • at DC / at 24 V / typical         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical         Ambient temperature         • during operation       -20 +70 °C         • during storage       -40 +85 °C         • during transport       90 %         Relative humidity / at 25 °C / without condensation / during operation / maximum       90 %         Protection class IP       IP65		
Type of voltage / of the supply voltage     DC       Supply voltage / 1     • from M12 Power Connector (A-coded) for redundant power supply     16.8 V       Supply voltage / 2     • from M12 Power Connector (A-coded) for redundant power supply     31.2 V       Supply voltage     • from M12 Power Connector (A-coded) for redundant power supply     31.2 V       Supply voltage     • from M22 Power Connector (A-coded) for redundant power supply     31.2 V       Supply voltage     • from Power-over-Ethernet acc. to IEEE802.3at for type 2     48 V       Consumed current     0.7 A     0.385 A       • at DC / at 24 V / typical     0.7 A     0.385 A       Power loss [W]     • at DC / at 24 V / typical     16.8 W       • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical     16.8 W       • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical     16.8 W       • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical     16.8 W       • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical     16.8 W       • during operation     -20 +70 °C       • during operation     -20 +70 °C       • during transport     -40 +85 °C       • during operation / during operation / during operation / during operation / maximum     90 %       Protection class IP     IP65		No
Supply voltage / 1       16.8 V         • from M12 Power Connector (A-coded) for redundant power supply       16.8 V         Supply voltage / 2       31.2 V         • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       48 V         • from Power-over-Ethernet acc. to IEEE802.3at for type 2       48 V         Consumed current       0.7 A         • at DC / at 24 V / typical       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W         Power loss [W]       16.8 W         • at DC / at 24 V / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W         Power loss [W]       18.8 W         • at DC / at 24 V / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.5 W         IEEE802.3at for type 2 / typical       18.5 W         Ambient temperature       -20 +70 °C         • during operation       -20 +85 °C         • during operation       90 %         Protection class IP       IP65         Design, dimensions and weights       IP65		
• from M12 Power Connector (A-coded) for redundant power supply       16.8 V         Supply voltage / 2       • from M12 Power Connector (A-coded) for redundant power supply       31.2 V         Supply voltage       • from Power-over-Ethernet acc. to IEEE802.3at for type 2       48 V         Consumed current       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       0.7 A         Power loss [W]       0.385 A         • at DC / at 24 V / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       16.8 W         • during operation       -20 +70 °C         • during operation       -20 +85 °C         • during transport       -40 +85 °C         • during operation / maximum       90 %         Protection class IP       IP65         Design, dimensions and weights       Image Strates		DC
Instrument of the order supply         Supply voltage / 2         • from M12 Power Connector (A-coded) for redundant power supply         Supply voltage         • from Power-over-Ethernet acc. to IEEE802.3at for type 2         Consumed current         • at DC / at 24 V / typical         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical         Power loss [W]         • at DC / at 24 V / typical         • at DC / at 24 V / typical         Power loss [W]         • at DC / at 24 V / typical         • at DC / at 24 V / typical         Power loss [W]         • at DC / at 24 V / typical         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical         Power loss [W]         • at DC / at 24 V / typical         • during operation         - 20 +70 °C         • during operation         - 20 +85 °C         • during storage         - 40 +85 °C         Relative humidity / at 25 °C / without condensation / during operation / maximum         Protection class IP       IP65	Supply voltage / 1	
<ul> <li>from M12 Power Connector (A-coded) for redundant power supply</li> <li>Supply voltage         <ul> <li>from Power-over-Ethernet acc. to IEEE802.3at for type 2</li> </ul> </li> <li>Consumed current         <ul> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEE802.3at for type 2 / typical</li> </ul> </li> <li>Power loss [W]         <ul> <li>at DC / at 24 V / typical</li> <li>bit Power-over-Ethernet according to IEEE802.3at for type 2 / typical</li> </ul> </li> <li>Power loss [W]         <ul> <li>at DC / at 24 V / typical</li> <li>bit Power-over-Ethernet according to IEEE802.3at for type 2 / typical</li> </ul> </li> <li>At DC / at 24 V / typical</li> <li>bit Power-over-Ethernet according to IEEE802.3at for type 2 / typical</li> </ul> <li>Ambient conditions         <ul> <li>Ambient temperature             <ul> <li>during operation</li> <li>-20 +70 °C</li> <li>-40 +85 °C</li> <li>during storage</li> <li>-40 +85 °C</li> <li>Relative humidity / at 25 °C / without condensation / during operation / maximum</li> <li>Protection class IP</li> <li>IP65</li> </ul> </li> <li>Design, dimensions and weights</li> </ul></li>		16.8 V
redundant power supply         Supply voltage         • from Power-over-Ethernet acc. to IEEE802.3at for type 2         Consumed current         • at DC / at 24 V / typical         0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical         Power loss [W]         • at DC / at 24 V / typical         0.7 A         0.385 A         IEEE802.3at for type 2 / typical         Power loss [W]         • at DC / at 24 V / typical         16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical         16.8 W         • during operation         • during operation         -20 +70 °C         • during transport         -40 +85 °C         • during transport         -40 +85 °C         Relative humidity / at 25 °C / without condensation / during operation / maximum         Protection class IP       IP65         Design, dimensions and weights	Supply voltage / 2	
• from Power-over-Ethernet acc. to IEEE802.3at for type 2       48 V         Consumed current       0.7 A         • at DC / at 24 V / typical       0.7 A         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       0.385 A         Power loss [W]       0.385 A         • at DC / at 24 V / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.5 W         Power loss [W]       18.5 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.5 W         Ambient conditions       -20 +70 °C         • during operation • during storage • during transport       -20 +85 °C         • during ransport       -40 +85 °C         Relative humidity / at 25 °C / without condensation / during operation / maximum       90 %         Protection class IP       IP65         Design, dimensions and weights       -20 +70 *C		31.2 V
for type 2       Consumed current         • at DC / at 24 V / typical       0.7 A         • with Power-over-Ethernet according to       0.385 A         IEEE802.3at for type 2 / typical       0.385 A         Power loss [W]       16.8 W         • at DC / at 24 V / typical       16.8 W         • with Power-over-Ethernet according to       18.5 W         IEEE802.3at for type 2 / typical       18.5 W         IEEE802.3at for type 2 / typical       18.5 W         Ambient temperature       - 40 +85 °C         • during operation       -40 +85 °C         • during operation / maximum       90 %         Protection class IP       IP65	Supply voltage	
• at DC / at 24 V / typical       0.7 A         • with Power-over-Ethernet according to       0.385 A         IEEE802.3at for type 2 / typical       0.385 A         Power loss [W]       16.8 W         • with Power-over-Ethernet according to       18.5 W         IEEE802.3at for type 2 / typical       18.5 W         • with Power-over-Ethernet according to       18.5 W         IEEE802.3at for type 2 / typical       18.5 W         Ambient conditions       -20 +70 °C         • during operation       -20 +70 °C         • during storage       -40 +85 °C         • during transport       -40 +85 °C         Relative humidity / at 25 °C / without condensation / during operation / maximum       90 %         Protection class IP       IP65         Design, dimensions and weights       IP65		48 V
• with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       0.385 A         Power loss [W]       16.8 W         • at DC / at 24 V / typical       16.8 W         • with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.5 W         Ambient conditions       20 +70 °C         • during operation       -20 +70 °C         • during storage       -40 +85 °C         • during operation / during operation / during operation / maximum       90 %         Protection class IP       IP65         Design, dimensions and weights       IP65	Consumed current	
IEEE802.3at for type 2 / typical       IEEE802.3at for type 2 / typical         Power loss [W]       • at DC / at 24 V / typical         • with Power-over-Ethernet according to       16.8 W         IEEE802.3at for type 2 / typical       18.5 W         Ambient conditions       18.5 W         Ambient temperature       -         • during operation       -20 +70 °C         • during storage       -40 +85 °C         • during transport       -40 +85 °C         Protection class IP       IP65         Design, dimensions and weights       IP65	● at DC / at 24 V / typical	0.7 A
<ul> <li>at DC / at 24 V / typical</li> <li>with Power-over-Ethernet according to IEEE802.3at for type 2 / typical</li> <li>Ambient conditions</li> <li>Ambient temperature         <ul> <li>during operation</li> <li>-20 +70 °C</li> <li>-40 +85 °C</li> <li>during transport</li> <li>-40 +85 °C</li> </ul> </li> <li>Relative humidity / at 25 °C / without condensation / during operation / maximum</li> <li>Protection class IP</li> <li>IP65</li> </ul>	-	0.385 A
• with Power-over-Ethernet according to IEEE802.3at for type 2 / typical       18.5 W         Ambient conditions	Power loss [W]	
IEEE802.3at for type 2 / typical         Ambient conditions         Ambient temperature         • during operation         • during storage         • during transport         • during transport         Relative humidity / at 25 °C / without condensation / during operation / maximum         Protection class IP         IP65	• at DC / at 24 V / typical	16.8 W
Ambient conditions         Ambient temperature         • during operation         • during storage         • during transport         • during transport         Protection class IP         Design, dimensions and weights	<ul> <li>with Power-over-Ethernet according to</li> </ul>	18.5 W
Ambient temperature• during operation• during storage• during transport• during transport-40 +85 °C• during transport-40 +85 °CRelative humidity / at 25 °C / without condensation / during operation / maximumProtection class IPIP65Design, dimensions and weights	IEEE802.3at for type 2 / typical	
• during operation-20 +70 °C• during storage-40 +85 °C• during transport-40 +85 °CRelative humidity / at 25 °C / without condensation / during operation / maximum90 %Protection class IPIP65Design, dimensions and weights	Ambient conditions	
• during storage       -40 +85 °C         • during transport       -40 +85 °C         Relative humidity / at 25 °C / without condensation / during operation / maximum       90 %         Protection class IP       IP65         Design, dimensions and weights       -40 +85 °C	Ambient temperature	
• during transport     -40 +85 °C       Relative humidity / at 25 °C / without condensation / during operation / maximum     90 %       Protection class IP     IP65       Design, dimensions and weights     IP65	• during operation	-20 +70 °C
Relative humidity / at 25 °C / without condensation /       90 %         during operation / maximum       90 %         Protection class IP       IP65         Design, dimensions and weights       IP65	• during storage	-40 +85 °C
during operation / maximum       Protection class IP       Design, dimensions and weights	• during transport	-40 +85 °C
Protection class IP     IP65       Design, dimensions and weights     IP65	Relative humidity / at 25 °C / without condensation /	90 %
Design, dimensions and weights	during operation / maximum	
	Protection class IP	IP65
	Design, dimensions and weights	
		258 mm

Height	258 mm
Depth	80 mm
Width / of the enclosure / without antenna	258 mm
Height / of the enclosure / without antenna	258 mm
Depth / of the enclosure / without antenna	80 mm
Net weight	2.7 kg
Mounting type	
<ul> <li>S7-300 rail mounting</li> </ul>	Yes
<ul> <li>S7-1500 rail mounting</li> </ul>	Yes
• 35 mm DIN rail mounting	Yes
• wall mounting	Yes
Radio frequencies	

Operating frequency

<ul> <li>for WLAN in 2.4 GHz frequency band</li> </ul>	2.41 2.48 GHz; depending on the country approvals
<ul> <li>for WLAN in 5 GHz frequency band</li> </ul>	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	16
Product function	
iPCF Access Point	No
• iPCF client	No
iPCF-MC Access Point	No
• iPCF-MC client	No
Product function / iREF	No
Product function / iPRP	Yes

Product functions / management, configuration, engineering	
Product function	
• CLI	Yes
<ul> <li>web-based management</li> </ul>	Yes
MIB support	Yes
• TRAPs via email	Yes
<ul> <li>Configuration with STEP 7</li> </ul>	Yes
<ul> <li>configuration with STEP 7 in the TIA Portal</li> </ul>	Yes
<ul> <li>operation with IWLAN controller</li> </ul>	No
<ul> <li>forced roaming with IWLAN</li> </ul>	Yes
<ul> <li>forced roaming on IP down with IWLAN</li> </ul>	Yes
<ul> <li>forced roaming on link down with IWLAN</li> </ul>	No
• WDS	Yes
Protocol / is supported	
<ul> <li>Address Resolution Protocol (ARP)</li> </ul>	Yes

• ICMP	Yes
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• DCP	Yes
• LLDP	Yes
Identification & maintenance function	
<ul> <li>I&amp;M0 - device-specific information</li> </ul>	Yes
<ul> <li>I&amp;M1 – higher-level designation/location</li> </ul>	Yes
designation	
Product functions / Diagnostics	
Product function	
<ul> <li>PROFINET IO diagnosis</li> </ul>	Yes
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2c	Yes
• SNMP v3	Yes
Product functions / VLAN	
Product function	
<ul> <li>function VLAN with IWLAN</li> </ul>	Yes
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	No
<ul> <li>Management security, ACL-IP based</li> </ul>	Yes
● IEEE 802.1x (radius)	Yes
● NAT/NAPT	No
<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
<ul> <li>SIMATIC time synchronization (SIMATIC Time)</li> </ul>	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
Certificate of suitability	
<ul> <li>EC declaration of conformity</li> </ul>	Yes
<ul> <li>CE marking</li> </ul>	Yes
• C-Tick	Yes
● E1 approval	Yes
• IEC 61850-3	No
<ul> <li>Power-over-Ethernet according to IEEE802.3at for type 2</li> </ul>	Yes
Standard for wireless communication	
• IEEE 802.11a	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
• IEEE 802.11ac	Yes
Wireless approval	You will find the current list of countries at:
	www.siemens.de/funkzulassungen
accessories	
accessories	pre-assembled holder for attachment to a DIN rail
Further information / Internet-Links	
Internet-Link	
<ul> <li>to website: TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
• to the website: IWLAN	http://www.siemens.com/iwlan
• to website: Industry Mall	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx Download Manager</li> </ul>	http://www.siemens.com/cax

• to website: Industry Online Support

https://support.industry.siemens.com

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