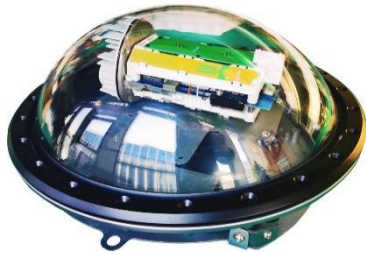


WLSHare X

ATEX Zone 1 5G CPE

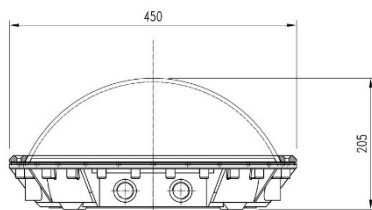


Features

- IECEx and ATEX Zone 1 certified.
- The smallest, lightest and highest performing 5G CPE for zone 1 ever created.
- No need for external antennas, cables and glands reduces weight, cost and size.
- Based on both clever engineering, material science and state of the art wireless infrastructure, we are now eliminating the need for bulky and heavy enclosures and antennas.
- Room for most wireless device types, including CPE, AP, WirelessHART, Bluetooth, ISA 100, 3G/4G/5G and others.
- Support for both internal and external (stub) antennas.
- Both POE and Fiber with integrated Dual Band antennas and MIMO technology.
- The WLSHare X has clever use of highest grade polycarbonates in order to remove the need for external antennas.
- With a rigid stainless steel or aluminum base, the WLSHare X is IP67 (Water / Dust resistant).
- The result is a staggering reduction of 2/3 installation time, 1/5th of the weight and 1/3th of the size compared to a EX-d based enclosure solution with external antennas.
- The WLSHare X is a “plug and play” and “off the shelf” solution, easier installation, inspection and maintenance.
- When you have the connections terminated (POE or Fiber with local power) in the EX-e chamber, you can easily install the WLSHare X without any additional tools.
- Smart mounting bracket makes the bi-annual inspection of EX-e chamber easy, saving as much as 60 % of the time and effort needed for inspections.

Dimensions

Unit: mm



Optional Accessories

- Smart mounting bracket

Specifications

Model		WLSHare X-CPE (IC 5980 inside)
Product Overview		
The 5G wireless data terminal IC 5980 delivers high performance based on 5G networks. This terminal converts 5G signals into WLAN signals or wired signals through Ethernet cables by leveraging the industry-leading 5G technologies, providing wireless broadband access services for industry users. In addition, the IC 5980 provides industry customers with high protection and reliability capabilities, and supports wireless broadband services in industrial devices and vehicles. It is applicable to indoor, outdoor, and industrial scenarios, as well as targeted at transportation (harbors, airports, and highways), energy (transformer stations and distribution stations), and manufacturing industries (factories and mines).		
Hardware Specifications		
Technical standards	WAN	3GPP Release 15
	LAN	IEEE 802.3/802.3u
Working frequency bands/frequencies	WLAN	IEEE 802.11b/g/n/a/ac/ax
	5G	TDD: n38/40/41/77/78/79 FDD: n1/3/7/8/20/28/71
	LTE	B1/3/5/7/8/20/28/34/38/39/40/41
	Wi-Fi	2.422 GHz to 2.482 GHz (5-13 ch), 5.170 GHz to 5.330 GHz (Used indoors only), 5.490 GHz to 5.710 GHz, 5.735 GHz to 5.835 GHz (W52, W53, W56, and W58) (W58 for China region only)
	DL MIMO	5G 4*4 MIMO: n1/3/7/38/40/41/77/78/79 5G 2*2 MIMO: n8/20/28/71 LTE 2*2 MIMO: B1/3/5/7/8/20/28/34/38/39/40/41
	UL MIMO	5G 2*2 MIMO: n38/40/41/77/78/79 (SA only)
	External ports	<ul style="list-style-type: none"> ● One adaptive GE LAN port for PoE ● One adaptive GE LAN port (Only indoor used) ● One SIM card slot (supports 4FF) ● One reset key
Antenna	<ul style="list-style-type: none"> ● Built-in omnidirectional/directional antenna ● Built-in Wi-Fi dual-band antenna 	
Gain	Omnidirectional antenna	
	<ul style="list-style-type: none"> ● Ant0 <4.5dBi@700MHz~960MHz,1710MHz~2690MHz ● Ant1 <4.5dBi@700MHz~960MHz,1710MHz~2690MHz ● Ant2 <4.5dBi@600MHz~960MHz,1710MHz~2690MHz ● Ant3 <4.5dBi@600MHz~960MHz,1710MHz~2690MHz ● Ant6 <4.5dBi@1805MHz~2690MHz,3300MHz~4200MHz,4400MHz~5000MHz ● Ant7 <4.5dBi@1805MHz~2690MHz,3300MHz~4200MHz,4400MHz~5000MHz 	
	Directional antenna	
LED indicators	<ul style="list-style-type: none"> ● Ant4 >6dBi@3300MHz~4200MHz,4400MHz~5000MHz ● Ant5 >6dBi@2300MHz~2400MHz,3300MHz~4200MHz,4400MHz~5000MHz 	
	Wi-Fi antenna	
	<ul style="list-style-type: none"> ● Ant8 <4.5dBi@2.4GHz, <6dBi@5GHz; ● Ant9 <4.5dBi@2.4GHz, <6dBi@5GHz; 	
Maximum transmit power	5G	n1/3/7/8/20/28/40/71: 23dBm (±2dB); n41/77/78/79: 26 dBm + 2dB / 26dBm -3dB B1/3/5/7/8/20/28/34/38/39/40: 23dBm (±2dB)
	LTE	26 dBm(+2dB/-3dB)@ B41 (HPUE) supports only the 160 MHz bandwidth of China Mobile.
Receiver sensitivity	5G	References: Related 3GPP protocols
Power consumption	LTE	References: Related 3GPP protocols
Power supply	< 25 W	
EMC specifications	PoE	
Certification compliance	TBD	
Software Specifications		
5G functions	DL 4x4 MIMO: n1/3/7/38/40/41/77/78/79	
	DL 2x2 MIMO: n8/20/28/71	
LTE functions	DL 256 QAM, UL 256 QAM	
	DL 2x2 MIMO	
Mobile network	DL 256 QAM, UL 64 QAM	
	Configurable APN, and supports more APN	
Gateway	Router	<ul style="list-style-type: none"> ● Supports default routes. ● Supports router-based packet forwarding. ● Supports static routes.
	DHCP server	<ul style="list-style-type: none"> ● Supports the DHCP server enabling and disabling. ● Supports the address pool configuration of the DHCP server. ● Supports the lease configuration. ● Supports the assignment of a fixed IP address to a client.
	NAT	<ul style="list-style-type: none"> ● Supports the NATP mode. ● Supports cone NAT. ● Supports the NAT configuration.
	Protocol	<ul style="list-style-type: none"> ● Supports the IPv4 protocol stack. ● Supports IP and ARP protocols. ● Supports the ICMP, UDP, and TCP.
Firewall configuration	<ul style="list-style-type: none"> ● Supports the firewall enabling and disabling. ● Supports the MAC address filtering. ● Supports the IP address filtering. ● Supports the domain name filtering. ● Supports the Virtual Server. ● Supports DMZ. 	
	<ul style="list-style-type: none"> ● Wi-Fi switch configuration: static Wi-Fi enabling/disabling ● Wi-Fi access authentication: WEP, WPA2-PSK ● Wi-Fi parameter configuration: Wi-Fi mode and power ● WLAN SSID planning-free 	
VPN	<ul style="list-style-type: none"> ● Supports IPsec tunnels. ● Supports L2TPV2, L2TPV3 tunnels. ● Supports IPsec, L2TPV2, L2TPV3 configurations. 	
	<ul style="list-style-type: none"> ● Supports SA and NSA networks. ● In SA networking, a 120 MHz bandwidth (N78+N84 only) are supported. ● In NSA networking, NR supports a single CC in the downlink with a bandwidth of 100 MHz. 	
Power specifications		
Power input	AC:100 ~ 240VAC	
Max. power consumption	PoE power supply	
SIZE	30 W (Including Power Adapter)	
Weight	450.00X450.00X205.00mm	
	Approx 16KG (Including the standard MAX 3)	