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U300 Specification

5G Router



Introduction

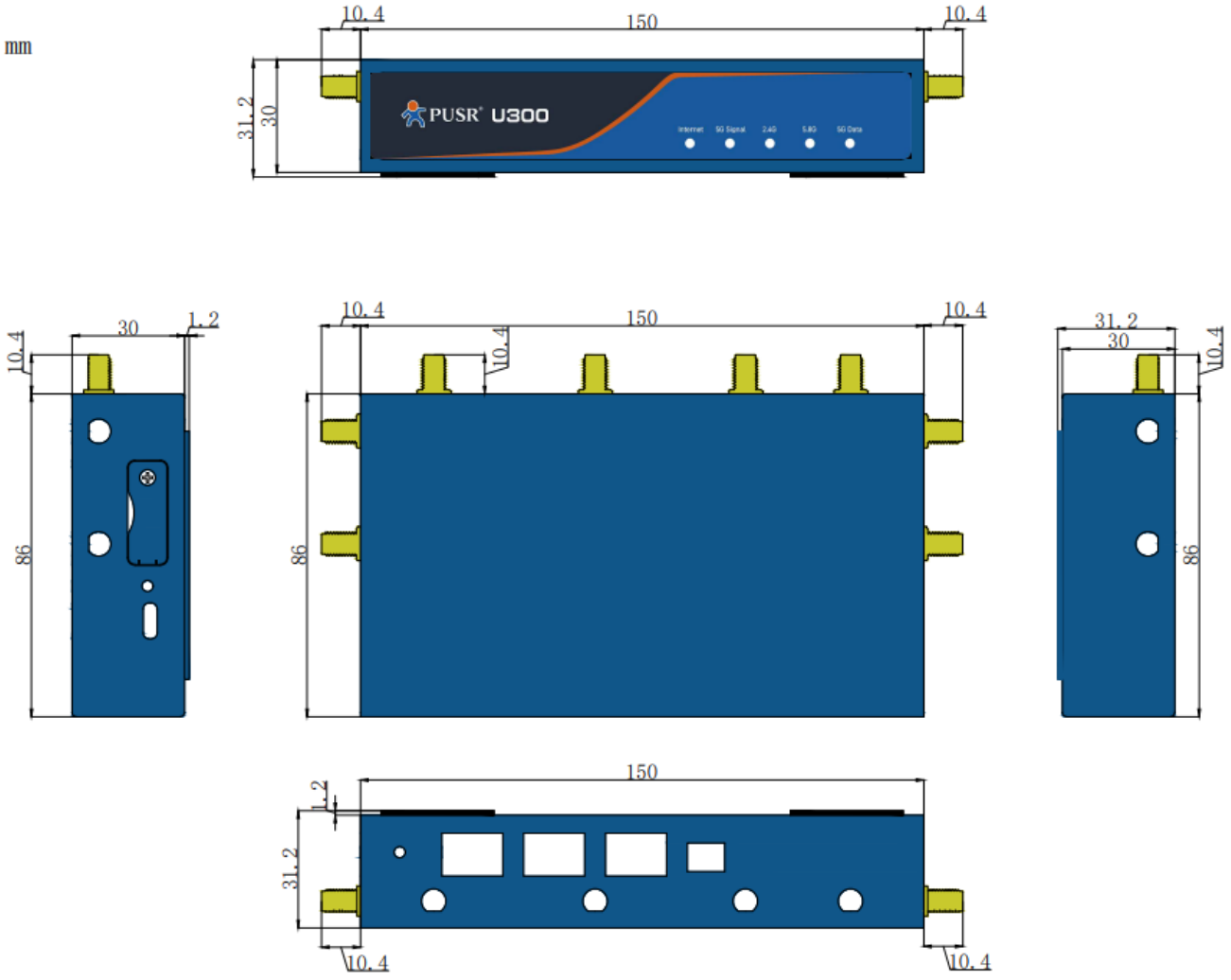
U300 is a 5G+Wi-Fi6 commercial router with high speed, wide connection, low latency, and high stability. It supports SN/NSA, and the measured 5G rate is up to 790Mbps. U300 supports Wi-Fi6 technology, and which can provide fast and reliable Internet experience for users. The device is highly suitable for home and commercial scenarios that require rapid deployment of Wi-Fi hotspots and wired broadband networks.

Product Features

- Adopts high-performance processor Qualcomm IPQ5018 which is powered by dual-core ARM Cortex A53, providing high-speed data processing.
- Supports the Wi-Fi 6(802.11ax) standard, providing faster speeds, better coverage, and enhanced capacity for multiple devices, the maximum of data rates up to 3000 Mbps.
- Supports 3 x Gigabit Ethernet port for fast wired connections.
- Adopts Qualcomm Snapdragon SDX 62 supporting 5G NR/LTE-FDD/LTE-TDD/UMTS/HSPA+, providing seamless connectivity in different scenarios.
- Supports global frequency bands, making it suitable for deployment in a wide range of regions and countries.
- Supports 802.11r(Fast BSS Transition) which can provide fast, reliable, and seamless Wi-Fi connectivity.
- Automated failover/failback back up among Ethernet, Cellular and Wi-Fi

Dimension

Unit： mm



Specifications

Chipsets	
Chipsets	Qualcomm IPQ5018 + Qualcomm Snapdragon SDX 62
Cellular Interface	
5G Chip	Qualcomm Snapdragon SDX 62
Frequency	5G NR SA: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
	5G NR NSA: n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
	LTE TDD: B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48
MIMO	5G NR SA: 4 x 4(DL) / 2 x 2(UL)
	5G NR NSA: 4 x 4(DL)
	LTE: 4 x 4(DL)
Maximum Transmission data Rate	SA: 2.4 Gbps (DL)/ 900 Mbps (UL)
	NSA: 3.4 Gbps (DL)/ 550 Mbps (UL)
	LTE: 1.6 Gbps (DL)/ 200 Mbps (UL)
Antennas	4 × SMA-K Connectors (Center PIN: SMA Female)
SIM Slot	1 x Micro SIM slot
Wi-Fi Interface	
Wi-Fi Chip	2.4GHz: Qualcomm IPQ5018
	5GHz: Qualcomm QCN6102(Wi-Fi 6)
Antennas	2.4G: 2 × SMA-K Connectors (Center PIN: SMA Female)
	5G: 2 × SMA-K Connectors (Center PIN: SMA Female)
MIMO	2.4GHz: 2 x 2 5GHz: 2 x 2
Encryption	WPA2, WPA3
Standards	2.4 GHz: IEEE802.11b/g/n/ax
	5.8 GHz: IEEE 802.11a/n/ac/ax
Data Speed	2.4G Wi-Fi: maximum of data rates up to 573 Mbps
	5G Wi-Fi: maximum of data rates up to 2474 Mbps
	2.4 GHz Channel: 1/2/3/4/5/6/7/8/9/10/11/12/13

	5 GHz Channel: 36/40/44/48/52/56/60/64/100/104/108/112/116/120/124/128/132/136/140
Power Supply	
Adapter	DC 12V/2A
Ethernet Interface	
WAN/LAN Port	1 x WAN (can be configured as LAN), 10/100/1000 Mbps, auto MDI/MDIX
LAN Port	2 x LAN, 10/100/1000 Mbps, auto MDI/MDIX
Physical Characteristics	
Casing Material	Metal shell, ingress protection IP30
Dimensions	170.8 * 86 * 31.2 mm(L*W*H)
Installation	Desktop, wall mounting
Operating Temperature	-10℃~+45℃
Software	
System Status	System information, WAN information, LAN information, WLAN information
Mobile Settings	Shows information about Sim card
Network settings	Work mode, WAN/LAN switch, WAN settings, Wireless connect,5G AT and 5G NR
WLAN settings	2.4G Settings
	5G Settings
LAN Settings	IP Address, Subnet Mask etc.
Upgrade	Upgrade firmware via webpage
Other Hardware Interface	
WPS/Reset	WPS: Press the button once.
	Reset: Keep the button pressed for 5 seconds.
Reboot	Restart the CPE router.
UART	Type-C interface, use to upgrade firmware.
Indicator LED	Internet, 5G Signal, 2.4G, 5G, 5G Data.

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