CPX60P-V2

5G Sub-6 Indoor CPE

CAT20

5GNR/LTE/WCDMA

Wi-Fi 6 (802.11ax)

The CPX60P from SUNWAVE is a 5G indoor CPE, providing hyper 5G experience for global carriers and partners. This 5G router is compatible with 4G networks and spectrum and its actual throughput is 10 times higher than 4G LTE. With the CPX60P, consumers will enjoy faster wireless broadband data speeds versus fiber-based solutions, without the need for aerial or underground cabling. Whether you use it at home or in the office, the CPX60P provides a truly wireless broadband experience.

CPX60P-V2 CPE DATASHEET

KEY FEATURES

- Qualcomm SDX62 chip solution
- 5G NR and LTE-A CAT20 dual modes
- Supports both SA and NSA
- 1 SKU support European, Asian, and North American 5G NR bands
- Supports Wi-Fi 6 (802.11ax)
- Support two Gigabit Ethernet ports
- Powerful software features, supporting all the router features
- Web, TR069 and SNMP based device management

SYSTEM ELEMENTS

HARDWARE SPECIFICATIONS

Technical Standard	WAN	5G NR/LTE/WCDMA
	LAN	IEEE 802.3/802.3u
	WLAN	IEEE 802.11b/g/n/ac/ax
Cellular Bands (CPX60P-V2)	5G NR	N1/N2/N3/N5/N7/N8/N12/N13/N14/N20/N25/N26/N28/N29/N30/N38/N40/N41/N48/N66/N71/N75/N76/N77/N78/N79
	LTE	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B34/B38/B39/B40/B41/B42/B43/B46(LAA)/B48(CBRS)/B66/B71
	WCDMA	B1/B2/B4/B5/B8/B19
	WLAN	2.4 GHz and 5 GHz with QAM1024 support
External Port	2 x RJ45 gigabit ethernet port 1 x DC jack	

	1 x SIM slot (4FF)
Antenna	4 build-in antenna for Cellular
	2 build-in antenna for WIFI
LED Indicators	1 x Power indicator
	1 x WLAN indicator
	1 x Net indicator
	1 x Tri-color signal strength indicator
Button	1 x reset button
	1 x multi-function button
MIMO	DL: 4X4 MIMO, N1/2/3/7/25/30/38/40/41/48/66/70/77/78/79
	UL: 2X2 MIMO, N38/41/48/77/78/79
	WIFI 6 MIMO 2*2
Carrier Aggregation	LTE: DL 5CA and UL 2CA
	NR: 2CA

Maximum Transmission Power	5G NR sub 6 bands	Class 3 -- 23 ± 1dBm
	5G NR HPUE bands (n38/n40/n41/n77/n78/n79)	Class 2 -- 26 ± 1dBm
	4G LTE	Class 3 -- 23 ± 1dBm
	LTE HPUE bands (B38/B41/B42/B43)	Class 2 -- 26 ± 1dBm
	WCDMA	Class 3 -- 23 ± 1dBm
Cellular Data Throughput (CPX60P – V2) Ethernet	5G SA	Downlink: 1 Gbps; Uplink: 900 Mbps
	5G NSA/ENDC	Downlink: 1 Gbps; Uplink: 525 Mbps
	LTE	Downlink: 1 Gbps; Uplink: 150 Mbps

Power Supply	DC 12V/ 2A
Power Consumption	< 20W
Dimensions (Maximum)	105 x 105 x 215 mm | 4.13 x 4.13 x 8.46 in
Weight	≈ 1 kg | 2.20 lbs
Humidity	5% ~ 95% Non-condensing
Temperature	Working temperature: -10 °C ~ +45 °C | +14 °F ~ +113 °F
	Storage temperature: -40 °C ~ +70 °C | -40 °F ~ +158 °F

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SOFTWARE SPECIFICATIONS		
Data Services	4 x APNs	
	Multiple PDN	
	IPV4/IPV6 dual stack support	
LAN	DHCP V4/V6	
	DNS and DNS proxy	
	DMZ	
	UPNP	
	ALG	
	MAC address Filtering	
WLAN	IEEE 802.11a/b/g/n/ac/ac Wave 2/ax	
	Maximum rate of up to 1.8 Gbps	
	Beamforming	
	MU-MIMO	
	Short guard interval (GI) in 20 MHz, 40 MHz, 80 MHz modes	
	Priority mapping and packet scheduling based on a Wi-Fi Multimedia (WMM) profile	
	Automatic and manual rate adjustment	
	WLAN channel management and channel rate adjustment	
	Service set identifier (SSID) hiding	
	WPS	
	Encryption: WEP, AES, and TKIP + AES	
	Security mode: Open, WPA2.0 PSK, WPA1.0/WPA2.0 PSK, WEP Shared Key (four keys at most)	
Management	Version Management: Image checksum	
	HTTP/FTP auto-upgrade	
	TR069	Upload/ Download the ACS specified file
		Download the configuration file
		Configure & queries parameters
		Remote upgrade
		Remote debugging operations
		Cycle monitor
	SNMP	
	WebGUI/ CLI	Different level of user login priority with various limitation and display
		Encryption backup current settings and restore the backup settings
		Export diagnosis results and operation logs

		Statistics of LAN link status, transmit and receive traffic and up time
	Diagnostics	
	USIM PIN management and card authentication	
	USIM activation	
VPN & Routing	NAT mode	
	Bridge mode/Bypass mode	
	Port mirror	
	ARP	
	Port forwarding	
	IPsec	
	PPTP	
	GRE tunnel	
	L2TP V2/V3	
	L2TP BCP	
	VPN pass-through	
Security	Firewall	
	Mac address filtering	
	IP address filtering	
	URL filtering	
	Access control	
	HTTPS login from WAN	
	DDOS attack protection	
	Hierarchical user management	

COMPLIANCE SPECIFICATIONS	
Environment Compliance	Cold: IEC 60068-2-1
	Dry heat: IEC 60068-2-2
	Damp heat cyclic: IEC 60068-2-30
	Change of temperature: IEC 60068-2-14
	Shock: IEC60068-2-27
	Free fall: IEC60068-2-32
	Vibration: IEC60068-2-6

ANTENNA SPECIFICATIONS		
617 MHz ~ 960 MHz	3 dBi	OmniDirectional
1.7 GHz ~ 2.7 GHz	6 dBi	OmniDirectional
3.3 GHz ~ 5 GHz	6 dBi	OmniDirectional

Contact Us Today

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