

5G-7988A Industry Sub 6G +WiFi7 10G SFP+ Gateway & PSE for Smart Pole



Main functions, features



Module	SIMCOM 8300G, Telit, Qualcomm, Fibocom M.2 card
5G	Sub6G n1,2,3,5,7,8,12,20,25,28,38,40,41,48,66,71,77,78,79
LTE	Band 1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/29/30/38/41/42
UMTS	Band 1/2/4/5/8
Speed	<ul style="list-style-type: none"> •5G Sub 6GHz •SA max2.4Gbps(downlink), 1Gbps(uplink) •NSA max 3.4Gbps(downlink), 600Mbps(uplink) •LTE max 1.6Gbps(downlink), 200Mbps(uplink) •HSPA+ max 42Mbps(downlink) 5.76Mbps(uplink)
GNSS(optional)	QZSS, GPS, GLONASS, Galileo, BeiDou
WiFi 7(optional)	<ul style="list-style-type: none"> •Wi-Fi 7: 2.4(40MHz)+5(160MHz)+6(320MHz)=19Gbps •6 GHz (320 MHz, 4K-QAM) 11-13 Gbps PHY •5 GHz (160 MHz, 4K-QAM) 5-6 Gbps PHY •2.4 GHz 1Gbps PHY
Interface	<ul style="list-style-type: none"> • 1xSFP+ 10G WAN(optional), 1xRJ45 2.5GBE WAN, Ethernet •4x1GBE LAN (2 for 802.3at PSE(PoE+) LAN 30W for IP cam. • SIM card Interface (3V/1.8V), e-SIM(optional) • WiFi 4T4R for external tri-band • 5G, LTE for external antennas interface 4pcs • MicroSD card. • DI*2,DO*2, RS-485*2, half-duplex isolation, with 2KV • Reset button*1 (Factory reset) • LED (Power, System, Ethernet, Internet) • Support last gasp after power is down.
Button	System reset
LED	WiFi 2.4G,WiFi 5/6G WAN/LAN, Internet, System.
Embedded Systems	• Linux: OpenWRT
Protocol	TCP, FTP, PPTP, HTTP, HTTPS, TFTP, DHCP, NAT, IPsec Passthrough, QoS optional: VPN Clients and gateways, IPsec clients
Cellular interface	<ul style="list-style-type: none"> • Selectable between 1x4G miniPCIe card or 1xM.2 5G card(Default 4G) • (Optional) 2xPCI card for MTK WiFi7 module AW7256-P01 (BE19000-class)
10G SFP+(optional)	<ul style="list-style-type: none"> •1x10G SFP+ cage for WAN •1x10G SFP+ cage for LAN
PSE LAN	•2xPSE 802.at(PoE+) 30W output for IP cam
10G GBE (optional)	• 1x10G GBE WAN, 1X10G GBE LAN
Specifications	<ul style="list-style-type: none"> • Size 15.5x12 x 2.5cm. • Weight 0.5Kg • Certificate: NCC, BSMI(TBD)

