INTETO NETWORKS 5G DUO

5G Outdoor CPE + Wi-Fi 6 Indoor Router Solution

A sophisticated solution combining a 5G integrated Outdoor CPE and Wi-Fi 6 Indoor router with PoE WAN capability. This dual-unit system ensures optimal outdoor 5G signal reception while delivering superior indoor network coverage and speed. The IDU's 2.5Gbps PoE-out WAN port powers the ODU via Cat 6 cable, creating a seamless high-performance network infrastructure.





ODU KEY FEATURES

- Qualcomm SDX62 single chip solution
- 5G NR and LTE-A CAT1 9 dual mode
- SA (Standalone) and NSA (Non-Standalone) support
- Global 5G and LTE-A coverage
- PoE power supply (802.3at/af compliant)
- Advanced router software features
- Web, TR069, SNMP management
- IP67 water and dust proof rating
- Built-in high-gain antennas

IDU KEY FEATURES

- High-performance MediaTek chipset
- Wi-Fi 6 AX3000 throughput capability
- EasyMesh technology for extended coverage
- 802.3at PoE-Out WAN port (powers ODU)
- Seamless mesh networking

ODU TECHNICAL SPECIFICATIONS

System & Network

Chipset	Qualcomm SDX62
5G NR Standard	3GPP Release 1 6 NSA/SA, Sub-6 GHz
5G NR NSA Bands	n1 /3/5/7/8/20/28/38/40/41 /75/76/77/78
5G NR SA Bands	n1 /3/5/7/8/20/28/38/40/41 /71 /75/76/77/78
LTE Bands	B1 /3/5/7/8/20/28/32/38/40/41 /42/43
MIMO Support	DL 4×4: n1 /3/5/7/8/20/28/38/40/41 /75/76/77/78 UL 2×2: n38/40/41 /77/78 LTE DL 4×4: All supported bands

Performance & Power

Max Throughput (Theoretical)	**5G NR SA:** DL 2.4 Gbps / UL 550 Mbps **5G NR NSA:** DL 2.4 Gbps / UL 900 Mbps **LTE:** DL 1 .6 Gbps / UL 200 Mbps
Max Transmission Power	**5G NR:** Class 3 (23 dBm ±2 dB), HPUE Class 2 (26 dBm +2/-3 dB) **LTE:** Class 3 (23 dBm ±2 dB), HPUE Class 2 (26 dBm ±2 dB) **WCDMA:** Class 3 (24 dBm +1 /-3 dB)

IDU TECHNICAL SPECIFICATIONS

Hardware

Chipset	MediaTek MT7981
Interfaces	1 × 2.5G WAN Ethernet (PoE-Out) 4× 1 G LAN Ethernet 1 × RJ1 1 Port
Wi-Fi Specification	**Standard:** Wi-Fi 6 (802.1 1 ax) **Bands:** 2.4GHz & 5GHz (Dual-Band) **Peak Throughput:** 574Mbps (2.4G) / 2402Mbps (5G) **Antenna Gain:** 5dBi (both bands)
Physical	**Dimensions:** 200mm × 1 43mm × 34mm **Weight:** <500g **Power:** DC 1 2-24V, <1 2W Consumption

Software Features

Operation Modes	NAT Mode, Bridge Mode
Management	TR069, WebUI, FOTA Upgrade
Network Protocols	Multi-APN, NAT/NATP, SNTP/NITZ, Static Routing, Virtual Server, DMZ, DNS Relay, DDNS, DHCP Server, IPv4/IPv6 Dual Stack, UPnP
Security & VPN	**Security:** MAC/IP/URL Filtering, Advanced Firewall, Parental Control **VPN:** L2TP, PPTP

APPLICATIONS

"Ideal for office, business, and residential deployments. Exceptional performance in remote or rural environments where traditional connectivity infrastructure is limited."

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