



5G Outdoor CPE

AIRLINK-5GODU-O6-(MTKT750)



Product Overview

The AIRLINK-5GODU-O6-(MTKT750) is a high-performance outdoor wireless communication device designed for 3G, 4G LTE, and 5G networks. It supports global frequency bands, offering high-speed internet access for various applications. The device is built for durability with an IP65-rated enclosure, making it suitable for harsh outdoor environments. With Wi-Fi 6 support advanced networking capabilities, it ensures reliable connectivity for households, enterprises, and commercial deployments.

Key Features

- **Cellular Network:** Supports 3G, 4G LTE, and 5G networks with global frequency compatibility
- **5G Performance:**
 - 5G NSA: Up to 3.74Gbps (DL) / 738Mbps (UL)
 - 5G SA: Up to 4.67Gbps (DL) / 1.25Gbps (UL)
- **High-Speed Ethernet:** Equipped with a 2.5Gbps Ethernet LAN port



- **Wi-Fi 6:** IEEE 802.11 a/b/g/n/ac/ax, AX3000, dual-band (2.4GHz/5GHz), Mesh support
- **Wi-Fi Security:** Supports WPA2-PSK (AES), WPA/WPA2-PSK (TKIP/AES) authentication
- **Wi-Fi Users:** Supports up to 32 concurrent users
- **Rugged Design:** IP65-rated enclosure for water and dust resistance
- **Power Supply:** POE input (DC +12V/1.5A ~ 36V/0.5A)
- **Security:** Supports multiple VPN protocols (PPTP, L2TP, IPSEC VPN) for secure data encryption
- **Reliability:** Automatic system recovery for uninterrupted service
- **Remote Management:** Supports TR-069, HTTPS, and SSH remote monitoring and updates

Applications

The AIRLINK-5GODU-06-(MKT750) is ideal for:

- **Kiosks** – Secure and stable connectivity for interactive kiosks
- **Industrial Automation** – Reliable network access for IoT and automation systems
- **Transportation** – Vehicle-mounted or roadside connectivity solutions
- **ATM Machines** – Secure and continuous network access
- **Video Surveillance** – High-bandwidth support for security camera systems
- **Broadband Expansion** – Wireless internet access for remote or underserved areas





Technical Specifications

Cellular Network Support

- **3G/4G/5G Network Compatibility:**
 - 5G NR SA/NSA, LTE-FDD, LTE-TDD, DC-HSDPA, HSPA+, WCDMA
- **Frequency Bands: Version E**
 - **5G Sub-6:** n1/3/5/7/8/20/28/38/40/41/77/78/79
 - **LTE FDD:** B1/3/5/7/8/18/19/20/26/28/32
 - **LTE TDD:** B38/40/41/42/43
 - **WCDMA:** B1/5/8
- **MIMO Support:**
 - 5G NR DL 4x4 MIMO: n1/3/7/38/40/41/77/78/79
 - 5G NR UL 2x2 MIMO: n41/77/78/79
 - LTE DL 4x4 MIMO: B1/3/7/32/38/40/41/42/43

Wireless Connectivity

- **Wi-Fi Standard:** IEEE 802.11 a/b/g/n/ac/ax, AX3000
- **Wi-Fi Bands:** 2.4GHz & 5GHz
- **Wi-Fi Security:** WPA2-PSK (AES), WPA/WPA2-PSK (TKIP/AES)
- **Wi-Fi Mode:** AP and Station mode
- **Wi-Fi User Support:** Supports up to 32 concurrent users
- **Wi-Fi Features:** Supports Dynamic Frequency Selection (DFS), MU-MIMO (2x2), and Wi-Fi hotspot sharing

Hardware Specifications

- **CPU:** MTK T750, ARM Cortex-A7, 1.8GHz
- **Memory:** NAND FLASH 4Gb, LPDDR4X 4Gb
- **Ethernet Port:** 1 x 2.5G LAN
- **USB Interface:** 1 x USB3.1 port
- **Antenna:** 4x 4G/5G internal MIMO antennas
- **SIM Support:** 1x SIM slot (1.8V/3V) or optional eSIM

Power & Environmental

- **Power Input:** POE (DC +12V/1.5A ~ 36V/0.5A)



- **Max Power Consumption:** 8.64W @ 24V
- **Operating Temperature:** -30°C to +70°C
- **Storage Temperature:** -35°C to +75°C
- **Humidity:** 5% - 95% (non-condensing)
- **Ingress Protection:** IP65 (waterproof & dustproof)
- **Housing Material:** ABS plastic, white shell
- **Mounting:** Wall or pole-mounted
- **Weight:** 576g

Software & Security Features

- **Operating System:** OpenWRT 19.07
- **Network Management:** Web GUI, TR-069, Remote FOTA updates
- **Firewall:** Access control, NAT, port mapping
- **VPN Support:** OpenVPN, IPSEC VPN, PPTP, L2TP
- **System Monitoring:** Auto recovery, link maintenance

Device Specifications Table

Category	Specifications
Cellular Features	3G/4G/5G Support (NR SA & NSA, LTE-FDD/TDD, WCDMA)
Supported Bands	Version-E 5G NR: n1/3/5/7/8/20/28(a&b)/38/40/41/77/78/79 LTE FDD: B1/3/5/7/8/18/19/20/26/28(a&b)/32 LTE TDD: B38/40/41/42/43 WCDMA: B1/5/8
MIMO Support	5G NR DL: 4x4 MIMO (n1/3/7/38/40/41/77/78/79) UL 2x2 MIMO: n41/77/78/79 LTE DL: 4x4 MIMO (B1/3/7/32/38/40/41/42/43)
Data Rates	5G NSA: 3.74Gbps (DL) / 738Mbps (UL) 5G SA: 4.67Gbps (DL) / 1.25Gbps (UL) LTE: 1.6Gbps (DL) / 211Mbps (UL) HSPA+: 42Mbps (DL) / 5.76Mbps (UL) WCDMA: 384Kbps (DL/UL)
5G NR features	3GPP Release 15 Supported modulations: - Uplink: $\pi/2$ -BPSK, QPSK, 16QAM, 64QAM and 256QAM



Category	Specifications
	<ul style="list-style-type: none"> - Downlink: QPSK, 16QAM, 64QAM and 256QAM Supported SCS: 15 kHz 2 and 30 kHz 2 SA 3 and NSA 3 operation modes supported on all the 5G band Option 3x, 3a, 3 and Option 2 Maximum transmission data rates 4: <ul style="list-style-type: none"> - NSA: 3.4 Gbps (DL)/ 550 Mbps (UL) - SA: 2.4 Gbps (DL)/ 900 Mbps (UL)
LTE features	<p>3GPP Release 15</p> <p>LTE Category: DL Cat 19/ UL Cat 18</p> <p>Supported modulations.</p> <ul style="list-style-type: none"> - Uplink: QPSK, 16QAM and 64QAM and 256QAM - Downlink: QPSK, 16QAM and 64QAM and 256QAM <p>Supports 1.4/3/5/10/15/20 MHz RF bandwidth</p>
3G/4G/5G Transmitting Power	<p>Class 3 (24dBm+1/-3dB) for WCDMA bands.</p> <p>Class 3 (23dBm±2dB) for LTE-FDD bands.</p> <p>Class 3 (23dBm±2dB) for LTE-TDD bands.</p> <p>Class 3 (23dBm±2dB) for 5G NR bands.</p> <p>Class 2 (26dBm±2dB) for LTE B38/B40/B41/B42 bands.</p> <p>Class 2 (26dBm±2dB) for 5G NR n41/n77/n78/n79 bands .</p>
WiFi Features	<p>WiFi 6 (IEEE 802.11 a/b/g/n/ac/ax), AX3000</p> <p>2.4G/5GHz Dual-band</p> <p>Max Bandwidth: 2975 Mbps</p>
WiFi Security	WPA2-PSK (AES), WPA/WPA2-PSK (TKIP/AES)
Max WiFi Users	32+ users
Hardware	<p>CPU: MTK T750, ARM Cortex-A7, 1.8GHz</p> <p>Memory: 4Gb NAND Flash, 4Gb LPDDR4X</p>
Interfaces	<p>1 × 2.5G Ethernet LAN port</p> <p>1 × USB 3.1 port</p>
Antenna	<p>Cellular: 4 × 4G/5G internal antennas (4×4 MIMO, 50Ω impedance)</p> <p>WiFi: 2 × 2.4G/5G antennas (2×2 MIMO, 50Ω impedance)</p>
Power & Consumption	<p>Power Input: POE/DC 12V-36V</p> <p>Peak Current: 2.5A @12V</p> <p>Idle: 1.44W @24V</p> <p>Data Link: 5.4W @24V</p> <p>Peak: 8.64W @24V</p>



Category	Specifications
Environmental & Physical	Operating Temp: -30°C to +70°C Storage Temp: -35°C to +75°C Humidity: 5%-95% (non-condensing) Protection Level: IP65 Material: ABS plastic (white) Dimensions: 250mm × 145mm × 67.5mm Weight: 576g Installation: Wall or pole mount
Software & Features	OS: OpenWRT 19.07 Supports PPTP, L2TP, IPSEC VPN, TCP, UDP, DHCP, HTTP, DDNS, TR-069, HTTPS, SSH Firewall (TCP/UDP/ICMP filtering, NAT, Port Mapping) Multiple APN support 4G/5G Bridge mode
Management & Monitoring	Web GUI: HTTP CLI: SSHv2 Remote Management: Supported