WL-955™
Dual SIM

EN-2000™ Prime Applications

The WLL950 is ideal for many applications including - CCTV, Digital Signage and many Telemetry applications. If you have purchased the WL500 previously, the WL950 is the perfect replacement adding 4G and Dual SIM capabilities for a reasonable increase in cost.

WL-955™ Standard Features

- LTE up to 150 Mbps DL and 50 Mbps UL
- DC-HSPA+ up to 42 Mbps DL and 5.73 Mbps UL
- Multiple LTE FDD bands
- IEEE 802.11b/g/n WiFi with 2×2 MIMO up to 300 Mbps
- PPTP, VRRP, GRE Tunnel
- SMS Control, WiFi Hotspot, Mobile on Demand, Backup WAN
- Input Triggers, Samba Share, GPS
- Four Ethernet ports
- 3 x input, 2 x output ports
- MicroSD card slot
- 4 pin industrial socket for 2/4 wire RS485
- DB9 socket for full-featured RS232
- OpenVPN, PPTP, L2TP, IPsec, VRRP, GRE Tunnel
- USB type-A socket for external devices
- Durable aluminum housing

WL955 Dual SIM 4G Router with IO

The WL955 Dual SIM router combines both 4G & 3G technology with up to 100Mbps download and 50Mbps upload in to a rugged, compact footprint. The integrated 802.11b/g/n Access Point and integrated 4-port 10/100 Ethernet Switch allows the 4G connection to be shared by wired or wireless devices. A simple to use web management GUI with first-time Setup Wizard allows this unit to be configured with ease.

The WL955 is supplied with two 4G stick antennas for good out of the box reception, but larger external antennas can be installed on to it's SMA female antenna connectors if required.

Link Resilience with Ping Reboot

The ability for a 4G router to maintain its' Internet connection is often over looked, but this ability is essential if the router is going to be installed in unmanned locations or areas where access to equipment is difficult. Nucleus Networks worked closely with Teltonika to implement a new feature called 'Ping Reboot', where the router automatically reboots itself if the router goes offline for a configurable level of time. This feature eliminates the need to visit site to reboot the router if there have been temporary cell mask issues or intermittent levels of network coverage.

The router also supports SMS status and Reboot commands that allow the router to be interrogated for current signal level or rebooted via SMS. These powerful remote diagnostic tools could prevent a site visit by an engineer, lowering maintenance costs.

Remote Management System (RMS)

The WL955 supports the Teltonika Remote Management System (RMS). A monthly subscription allows you to take control of your router portfolio, monitoring signal levels and device activity through a central management system, lowering your TCO.

Technical Specifications

Ethernet	IEEE 802.3, IEEE 802.3u standards 3 x LAN 10/100Mbps Ethernet ports 1 x WAN 10/100Mbps Ethernet port Supports auto MDI/MDIX
Wifi	IEEE 802.11b/g/n WiFi standards 2x2 MIMO AP and STA modes 64/128-bit WEP, WPA, WPA2, WPA&WPA2 encryption methods 2.401 – 2.495GHz WiFi frequency range 20dBm max WiFi TX power SSID stealth mode and access control based on MAC address
Hardware	High performance 560 MHz CPU with 128 Mbytes of DDR2 memory 5.5/2.5mm DC power socket (terminal block connector optional) Reset/restore to default button 2 x SMA for LTE, 2 x RP-SMA for WiFi antenna connectors 4 x Ethernet LEDs, 1 x power LED 1 x bi-color connection status LED, 5 x connection strength LEDs Optional: Din rail or panels with integrated mounting flanges
Software	OpenVPN, IPsec, GRE, L2TP, PPTP Backup WAN PPPoE Dynamic DNS SMS and ping reboot, periodic reboot Status, configuration via SMS Send/read SMS via HTTP POST/GET Monitoring by SNMP, SNMP trap, TR-069 System log to record the status of the router VRRP QoS and web filter Wireless hotspot with or without RADIUS server SIM card switch controlled by signal, data limit, roaming Configuration profiles Firmware update from bootloader via WebUI Restore point
Electrical, Mechanical & Environmental	Dimensions (H x W x D) — 80 mm x 106 mm x 46 mm Weight — 250g Power supply — 100 – 240 VAC -> 9 VDC wall adapter Input voltage range — 9 – 30VDC Power consumption — < 7 W Operating temperature — -40 °C to 75 °C Storage temperature — -45 °C to 80 °C Operating humidity — 10 % to 90 % non-condensing Storage humidity — 5 % to 95 % non-condensing

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