

# Wireless Router for Industrial Applications

The Anybus Wireless Routers are ideal to provide your industry with high-speed WLAN and LTE connectivity. Advanced routing functionality allows you to segment your network and protect mission critical data. An extensive range of redundancy technologies ensures uninterrupted operations.



# Features and Benefits

### High Throughput Wireless Performance

- LTE Cat.4, 2x2 MIMO, 150 Mbps downlink and 50 Mbps uplink
- 4G/3G/2G full cellular network compatibility
- LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/ B25/B26/B28
- LTE-TDD: B38/B39/B40/B41
- Supports GNSS for location services
- 2.4 GHz or 5 GHz WLAN for local coverage, up to 866 Mbps bandwidth
- IEEE 802.11ac compliant & backward compatible with 802.11a/b/g/n

#### Multiple Ethernet Ports

- 8 Fast Ethernet ports, provide 100 Mbps wire-speed switching
- 1 Gigabit Ethernet WAN port for uplink
- IEEE 802.1p QoS/802.1Q VLAN priority tagging

#### Rugged Design

- Effective heat dissipation design for operating in -40 to 75°C environments
- Railway EMC: EN50121-4 compliance
- IEC61000-6-2/IEC61000-6-4 heavy industrial EMC
- Vehicle: E-mark compliance
- Radio RED for CE Marking
- Emission: FCC part 15 B Class A

#### Enhanced Security and Redundancy for Critical Application

- Firewall for traffic classification, port forwarding
- Supports NAT, DMZ for LAN protection
- Supports OpenVPN, IPsec for secure connection
- Redundancy: WAN to LTE redundancy, wireless auto-offload
- LTE watchdog, auto-reconnect cellular connection

# Management Features

- Various configuration paths, including WebGUI, CLI and SNMP
- Diagnostic tool includes LED, Ping, TFTP, SNMP Trap, E-mail Alert and Syslog



## **TECHNICAL SPECIFICATIONS**

Cellular standards	LTE Cat. 4 2x2 MIMO, 4G/3G/2G Fall Back LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41 WCDMA: B1/B2/B4/B5/B6/B8/B19
Ethernet ports	LAN: 8 x 10/100Base-TX RJ45, Auto Negotiation, Auto MDI/MDI-X WAN: 1 x 100/1000Base-T RJ45, Auto Negotiation, Auto MDI/MDI-X
Operating temperature	-40°C-75°C, 5%-95% Non-condensing
Data speeds	LTE: GPRS: DL: max. 85.6 kbps, UL: max. 85.6 kbps EDGE: DL: max. 236.8 kbps, UL: max. 236.8 kbps HSPA: DL: max. 42 Mbps, UL: max. 5.76 Mbps LTE-FDD Cat.4: DL: max. 150 Mbps, UL: max. 50 Mbps, 2x2 DL MIMO LTE-TDD Cat.4: DL: max. 130 Mbps, UL: max. 35 Mbps, 2x2 DL MIMO WLAN: 802.11ac: MCS0 - 9, max. 866 Mbps 802.11b: 11Mbps / 802.11a/g: 54Mbps / 802.11n: MCS0-15, max. 300Mbps
GNSS	GLONASS GPS Galileo BeiDou
Power	8-32VDC (Max. 4.8W)  4-Pin Removable Terminal Block Connector 2-Pin for Power Input 2-Pin for DO DO: Dry Relay Output - Max 0.5A/24V DC
Weight	1400 g
Housing material	Steel & Aluminum
IP protection class	IP31
Dimensions	200 x 126 x 51 mm (without DIN rail clip)
Mounting	Panel mount or DIN-rail mount (bracket included)
Configuration	CGI WebGUI, SSH, Telnet, SNMP
Certifications	Radio: RED Compliance Safety: EN 62368-1, EN 50385/EN62311 MPE assessment EN 301 489-1/17/19/52, EN 55032/55024, EN 300 328/EN 301 893, EN 301 908-1, FCC Part 15B
Order codes	AWB5121 (Wireless Router) AWB5221 (Cellular Router)

