Anybus®
BY HMS NETWORKS

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

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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)**

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