



Horizon IR2005G 5G Industrial Router

Horizon IR2005G is an 5G Industrial Router offering secure and reliable remote connectivity to deployed assets that utilize cellular carrier networks. Ideal for harsh environment, Horizon IR2005G provides easy wireless communication for the M2M application including connected vehicles, immersive entertainment, cloud robotics, machine remote control, eHealth, SCADA servers, RTUs, PLCs, remote I/O and other Ethernet and serial connected devices such as security cameras or industrial sensors.

Horizon IR2005G also targets IoT as new market segment including eMBB (Enhanced Mobile Broadband), uRLLC and FWA use cases. For instance, AR/VR requires both high bandwidths and extremely low latency, while most of automotive use cases only requires low latency and high reliability.



Chipset
Qualcomm Solutions



Incredible speed
Up to 3.4Gbps DL



Low Latency
& Increased Capacity



Multi-network
Extensive interfaces

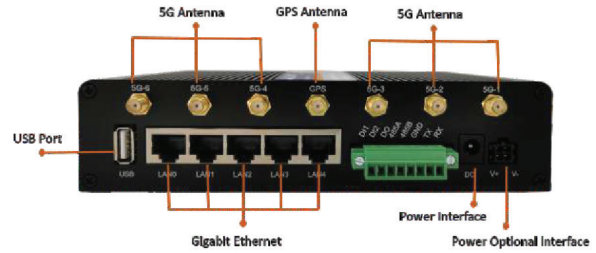
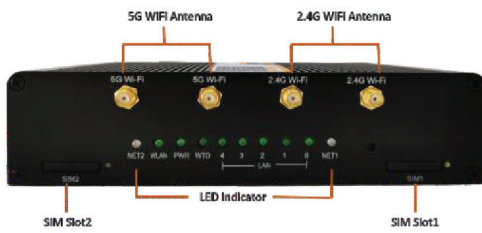


Linux based OS
Operating System



Router Management
Horizon DMS Platform

| | |
|------------------------------|---|
| Cellular | 5G NR: n1/ 2/ 3/ 5/ 7/ 8/12/ 13/ 14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/ 48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79 LTE-FDD: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/66/ 71 LTE-TDD B34/ 38/ 39/ 40/ 41/ 42/ 43/ 46 / 48 Brand support can be customized |
| Antennas | 6x SMA 5G Antenna, 1x GPS Antenna |
| Interface | 5x Gigabit Ethernet (4x LAN, 1X LAN/1x WAN Configurable) 2x SIM Slot (2ff) 8Pins Terminal block connector 3x I/O 1x RS232 1x RS485 1x USB |
| Wi-Fi | IEEE 802.11 n/ac, (4x SMA Antenna) |
| Chipset | Qualcomm based X62 |
| Speed | Supports 5G/NSA/SA Download speeds up to 3.4Gbps |
| Hardware System | MT7621 MIPS Dual-core 880MHz 32MBMb Flash, 512MB DDR3 RAM Hardware Watchdog 8-256GB Storage Optional |
| Operating System | Linux based OS |
| Consumption | Voltage: DC +7.5 ~ 36V DC (standard 12V/2A power) adapter SIM/R-UIM Card: 3V Idle: 500mA@+12VDC Online: 900mA@+12VDC Dual Power Supply |
| GPS (Optional) | GPS/GLONASS/BeiDou/Galileo GPS Sensitivity: -160dBm GPS Accuracy: 2.5m CEP Update Rate: 1Hz@5Hz Time to First Fix: Cold Status 27s, Hot Status 1s Protocol: NMEA-0183 2.3V |
| Dimension | 179mmx124mmx43mm (not including antenna) |
| LED Indicator | NET WLAN PWD WTD LAN |
| Network Features | 5G/WAN Failover VLAN Bandwidth Management NAT/DMZ IP Passthrough/Port Redirection Static/Dynamic routing IPv4 & IPv6 |
| VPN | PPTP/L2TP GRE IPSec OpenVPN and DMVPN |
| WLAN | 2.5G 5G 2.4G & 5G Mixed |
| Network Protocol | IPv4, IPv6(Optional) PPPoE UDP/TCP/ICMP/NTP/DHCP/Modbus TCP HTTP/HTTPS UPNP SNMP TR069 |
| Network Monitoring | ICMP Check Traffic Check Traceroute Data Capture Bandwidth Graph Data Traffic Graph |
| Physical Installation | Desktop, Wall Mount, DIN Rail Mount |
| Router Management | Local/Remote GUI Telnet/SSH Horizon DMS Platform + TR069 |
| Certification | CE, FCC (Under Progress) |



What's in the box?

- 6x** 5G/4G external antennas (Magnetic suction cup, 3 m cable)
- 4x** 2.4&5GHz WIFI Glue stick antennas
- 1x** external GPS antenna, 3m cable
- 1x** Ethernet cable, 1m
- 1x** Pin terminal
- 1x** US power supply (12V, 2A)

FOR MORE INFORMATION
PLEASE CONTACT HORIZONPOWERED.COM

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This product comes with a 1 year limited warranty that is valid only if purchased from Horizon authorized reseller.

Actual data throughput and wireless coverage will vary and may be lowered by network and environmental conditions, including network traffic volume and building construction.