**Product** | Tsunami® QB-8200, 8250 | Tsunami® QB-8100, 8150, 8150-LNK-100 | Tsunami® QuickBridge.11 Series | Tsunami® GX800 | Tsunami® QB-62000 Series
---|---|---|---|---|---
**Description** | The Tsunami® QB-8200 series, is a high power, extremely reliable and cost-effective, non-line-of-sight 4G point-to-point (PtP) wireless backhaul solution | Next generation, economical wireless connectivity for large scale deployments | Tsunami® QuickBridge.11 is a cost effective solution for large scale wireless deployments | Tsunami® GX800 is a high speed Point-to-Point (PtP) licensed microwave product capable of operating with more than 600Mbps aggregate throughput capacity | Multi Gigabit wireless backhaul solution that exceeds 4G speed requirements in a package that is the smallest in the industry

**Applications** | • Backhaul links for video, voice and data networks • Repeater to extend coverage • Inter PoP redundancy | • 100, 300Mbps wireless backhaul link for video, cellular voice and data networks • Repeater to extend distance or overcome path blockage • Inter-POP redundancy | • Video, Voice and Data networks • Broadband last-mile connectivity for metropolitan and rural areas • WISPs, wireless video surveillance • Enterprise, Campus networking | • Remote Point of Presence for ISP’s • Enterprise LAN and building-to-building networks • Backhaul for Internet service provider networks | • 2Gbps wireless backhaul for Building to Building Connectivity • Leased Line Redundancy • Inter-POP Redundancy

**Environment** | • Intelligent transportation system • Video surveillance • Last mile • Emergency first responder • Enterprise campus connectivity • Health care • Carriers and WISPs | • Carrier & WISP networks • Government and public safety networks • Video Surveillance networks | • Video Surveillance networks • WISPs and Carriers backhaul • Government and public safety networks | • Wireless ISP's and Carrier Backhaul • Enterprise networks • Municipal broadband networks | • Enterprise networks • Municipal broadband networks • Government and public safety networks

**Key Features** | • 25.8 dBm high power radio • Easy and quick installation • Dual Gigabit Ethernet with PoE out • IP 67 Grade • Zero effort management | • Supports 2x2, 3x3 MIMO smart antenna technology which significantly improves link performance • Dual Gigabit Ethernet ports with PoE out to power other external devices like surveillance cameras • 128-bit AES encryption | • License free operation • Cost Effective • OFDM • Up to 128-bit AES encryption • Complete “hop-in-a-box” ensures easy installation and quick return on investment | • 6-38 GHz Frequency band support • Wide band support from 7-56MHz RF Channel Bandwidths • Supports QPSK/16QAM/32QAM/64QAM/128QA M/256QAM modulation schemes • High Tx Power radio- 27dBm • Low noise figure, low phase noise and high linearity • Very high frequency stability +/- 5 ppm | • Gigabit per second full duplex data rates of 2Gbps • Latencies less than 50 usec • Operating in the 60GHz license exempt band allows rapid deployment with no licensing fees • Extremely small wind loading with 7x7 inches dimensions and weighing only 2.5Kgs

**SPECIFICATIONS**

| Frequency Band | 4.900 – 5.925 | 2.3 – 2.5 GHz | 5 to 6.1 GHz | 6-23 GHz | End Point A - 59.5GHz | End Point B - 62GHz
|---|---|---|---|---|---|---
| Duplex Method | TDD | TDD | TDD | FDD | FDD | FDD
| Aggregate throughput | 210Mbps (3X3 MIMO) | 218, 100Mbps | 29Mbps | 622Mbps | 1000Mbps | QoS
| QoS | 802.16 QoS | 802.16 QoS | 802.16 QoS | 802.16 QoS | 802.16 QoS | Form Factors
| Outdoor Unit with three N-type antenna connectors (8100) | ODU, Integrated 23dbi dual polarity antenna (8250)
| ODU, Three N-type Antennas Connectors or Integrated 23dbi dual polarity antenna
| ODU, Integrated 23dbi dual polarity antenna (8150, 8150-LNK-100)
| ODU, Integrated 23dbi antenna | ODU, Three N-type Antennas Connectors or Integrated 23dbi dual polarity antenna
| ODU, Integrated 23dbi dual polarity antenna (8150, 8150-LNK-100)
| ODU, Integrated 23dbi antenna | ODU features standard direct ‘slip fit’ mounting
| IDU: Compact and lightweight design, the smallest IDU in its class | ODU Integrated 37dbi flat panel antenna
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