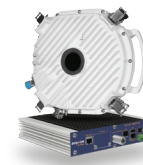


At-a-Glance

Point-to-Point product portfolio



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 a 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	<ul style="list-style-type: none"> Backhaul links for video, voice and data networks Repeater to extend coverage Inter PoP redundancy 	<ul style="list-style-type: none"> 100, 300Mbps wireless backhaul link for video, cellular voice and data networks Repeater to extend distance or overcome path blockage Inter-POP redundancy 	<ul style="list-style-type: none"> Video, Voice and Data networks Broadband last-mile connectivity for metropolitan and rural areas WISPS, wireless video surveillance Enterprise, Campus networking 	<ul style="list-style-type: none"> Remote Point of Presence for ISP's Enterprise LAN and building-to-building networks Backhaul for Internet service provider networks 	<ul style="list-style-type: none"> 2Gbps wireless backhaul for Building to Building Connectivity Leased Line Redundancy Inter-POP Redundancy
Environment	<ul style="list-style-type: none"> Intelligent transportation system Video surveillance and data networks Last mile Emergency first responder Enterprise campus connectivity Health care Carriers and WISPs 	<ul style="list-style-type: none"> Carrier & WISP networks Government and public safety networks Video Surveillance networks 	<ul style="list-style-type: none"> Video Surveillance networks WISPS and Carriers backhaul Government and public safety networks 	<ul style="list-style-type: none"> Wireless ISP's and Carrier Backhaul Enterprise networks Municipal broadband networks 	<ul style="list-style-type: none"> Enterprise networks Municipal broadband networks Government and public safety networks
Key Features	<ul style="list-style-type: none"> 25.8 dBm high power radio Easy and quick installation Dual Gigabit Ethernet with PoE out IP 67 Grade Zero effort management 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 6-38 GHz Frequency band support Wide band support from 7-56MHz RF Channel Bandwidths Supports QPSK/16QAM/32QAM/64QAM/128QAM/256QAM modulation schemes High Tx Power radio- 27dBm Low noise figure, low phase noise and high linearity Very high frequency stability +/- 5 ppm 	<ul style="list-style-type: none"> 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 • 4.9 – 6.0 GHz (Subject to Country Regulations)	• 5 to 6.1 GHz	• 6-23 GHz	• End Point A -59.5GHz • End Point B - 62GHz
Duplex Method	• TDD	• TDD	• TDD	• FDD	• FDD
Aggregate throughput	• 210Mbps (3X3 MIMO)	• 218, 100Mbps	• 29Mbps	• 622Mbps	• 1000Mbps
QoS	• 802.16d QoS	• 802.16d QoS	• 802.16d QoS	• 802.16p QoS	• 802.16d QoS
Form Factors	<ul style="list-style-type: none"> Outdoor Unit with three N-type antenna connectors (8100) ODU, Integrated 23dBi dual polarity antenna (8250) 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> ODU features standard direct 'slip fit' mounting IDU: Compact and lightweight design, the smallest IDU in its class 	• ODU Integrated 37dBi flat panel antenna