



	Tsunami® QB-10100(L)	QB-10100-LNK Series	Tsunami® QB-820 / QB-826 Series	Tsunami® QB-830 Series	Tsunami® GX-824
Product Models	<ul style="list-style-type: none"> • QB-10100(L)-LNK • QB-10150(L)-LNK • QB-10150-LKL 	<ul style="list-style-type: none"> • QB-10100-LNK-50 • QB-10100-LNK-100 	<ul style="list-style-type: none"> • QB-825-LNK-50* • QB-825-LNK-100 • QB-826-LNK-100 	<ul style="list-style-type: none"> • QB-835-LNK-25 • QB-835-LNK-50 	<ul style="list-style-type: none"> • GX-824
Frequency Band	4.900 – 5.925 GHz (Subject to country regulations)	4.900 – 5.925 GHz (Subject to Country Regulations)	4.900 - 6.425 GHz (Subject to country regulations)	4900 - 5925 GHz (Subject to country regulations)	24.000 to 24.250 GHz (FDD)
MIMO	2X2 MIMO	2X2 MIMO	2x2 MIMO	2x2 MIMO	Dual Polarity (one per direction)
Channel Size	80 MHz (except 101x0L variant), 40 MHz and 20 MHz channel bandwidths	80 MHz, 40 MHz and 20 MHz	40 MHz, 20 MHz, 10 MHz, 5 MHz channel bandwidths	40 MHz, 20 MHz, 10 MHz, 5 MHz channel bandwidths	3.5 to 112 MHz
Data Rate	<ul style="list-style-type: none"> • Upto 866 Mbps (except 101x0L variant) • Upto 400 Mbps 	<ul style="list-style-type: none"> • Upto 866 Mbps 	<ul style="list-style-type: none"> • 300 Mbps 	<ul style="list-style-type: none"> • 300 Mbps 	
Throughput	<ul style="list-style-type: none"> • 633 Mbps @ 80 MHz (except 101x0L variant) • 324 Mbps @ 40 MHz • 137 Mbps @ 20 MHz 	<ul style="list-style-type: none"> • License controlled to 50, 100 or 200 Mbps 	<ul style="list-style-type: none"> • Upto 100 Mbps (825-LNK-100/QB-826-LNK-100) • Upto 50 Mbps (license upgradable to 100 Mbps) (825-LNK-50*) 	<ul style="list-style-type: none"> • Upto 50 Mbps (835-LNK-50) • Upto 25 Mbps (license upgradable to 50 Mbps) (835-LNK-25) 	<ul style="list-style-type: none"> • 900 Mbps full duplex (1800 Mbps true aggregate)
TX Power	<ul style="list-style-type: none"> • Upto 28 dBm (Dual chain) 	<ul style="list-style-type: none"> • Up to 28 dBm (dual chain) 	<ul style="list-style-type: none"> • Upto 26 dBm (Dual chain) (QB-825) • Upto 25 dBm (Dual chain) (QB-826) 	<ul style="list-style-type: none"> • Upto 26 dBm (Dual chain) 	<ul style="list-style-type: none"> • From -27 to +5 dBm
Antenna	<ul style="list-style-type: none"> • QB-10100(L)-EPA : Two N-type Connectors with built-in Surge Protection • QB-10150(L)-EPR: Integrated 2x2 MIMO 22dBi Dual Polarized 1 foot Panel Antenna • QB-10150-EPL: Integrated 2x2 MIMO 28dBi Dual Polarized 2 feet Panel Antenna 	<ul style="list-style-type: none"> • Two N-type Connectors with built-in Surge Protection 	<ul style="list-style-type: none"> • Integrated 15 dBi dual Polarized (H+V) panel antenna (12 dBi before 5.000 GHz and 14 dBi beyond 5.850 GHz) (QB-825) • Integrated antenna delivers 15 dBi from 5.900 to 6.425 GHz (QB-826) 	<ul style="list-style-type: none"> • Integrated 15 dBi dual Polarized (H+V) panel antenna (12 dBi before 5.000 GHz and 14 dBi beyond 5.850 GHz) 	<ul style="list-style-type: none"> • Integrated with the ODU (1, 2, 3 or 4 foot options)
Security	<ul style="list-style-type: none"> • AES - 128 bits • Secure management (SSL, SSH, SNMPv3) • Proprietary nature of RF protocol 	<ul style="list-style-type: none"> • AES - 128 bits • Secure management (SSL, SSH, SNMPv3) • Proprietary nature of RF protocol 	<ul style="list-style-type: none"> • AES -128 bits • Secure management (SSL, SSH, SNMPv3) • Proprietary nature of RF protocol 	<ul style="list-style-type: none"> • AES -128 bits • Secure management (SSL, SSH, SNMPv3) • Proprietary nature of RF protocol 	<ul style="list-style-type: none"> • AES - 256 bits
QoS	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	Service flow based QoS with 32 queues and layer 2, 3 and 4 packet identification rules	4 queues based on physical port, 802.1p tag or IP DiffServ
Humidity - IP Rating	<ul style="list-style-type: none"> • 100% relative humidity - IP67 	<ul style="list-style-type: none"> • 100% relative humidity - IP67 	<ul style="list-style-type: none"> • 100% relative humidity - IP67 	<ul style="list-style-type: none"> • 100% relative humidity - IP67 	<ul style="list-style-type: none"> • 100% relative humidity - IP65
Wireless Protocol	WORP®	WORP®	WORP® or WORP sync	WORP® or WORP sync	N/A
Interference Immunity	Proxim ClearConnect™	Proxim ClearConnect™	Proxim ClearConnect™	Proxim ClearConnect™	Narrow Beam width Antenna
Other Features	<ul style="list-style-type: none"> • Dual Gigabit Ethernet with controllable PoE out • Low latency (2 to 3 ms) • 9k Jumbo frame and IEEE 1588v2 pass through synchronization • Easy, quick installation and management • Link aggregation via LACP switch 	<ul style="list-style-type: none"> • Gigabit Ethernet • Low latency (2 to 3 ms) • 9k Jumbo frame and IEEE 1588v2 pass through synchronization • Easy, quick installation and management 	<ul style="list-style-type: none"> • Compact and robust design • Easy, quick installation and management 	<ul style="list-style-type: none"> • Compact and robust design • Easy, quick installation and management 	<ul style="list-style-type: none"> • Hitless Adaptive Coding & Modulation • 1+1 redundancy and 2+0 aggregation • Two Gigabit Ethernet + one SM/MM fiber interfaces • Jumbo packets up to 10,240 Bytes*
Form Factor	<ul style="list-style-type: none"> • Operating Temperature: -40° to 60° C • QB-10100(L)-EPA: Dimensions: 250 x 220 x 72 mm, • Weight: 1.9 kg • QB-10150(L)-EPR: Dimensions: 305 x 305 x 85 mm • Weight: 2.4 kg • QB-10150-EPL: Dimensions: 600 x 600 x 92 mm • Weight: 6.5 kg 	<ul style="list-style-type: none"> • Operating Temperature: -40° to 60° C • Weight: 1.250 kg • Dimensions: 127.5 x 220.5 x 72.5 mm 	<ul style="list-style-type: none"> • Operating Temperature: -40° to 55° C • Weight: 0.950 kg • Dimensions: 126 x 219 x 65.5 mm 	<ul style="list-style-type: none"> • Operating Temperature: -30° to 50° C • Weight: 0.950 kg • Dimensions: 126 x 219 x 65.5 mm 	<ul style="list-style-type: none"> • Operating Temperature: -35 to +55 °C • Weight : 5.1 kg without antenna • Dimensions: 133 x 255 x 301 mm