# Proxim Products At A Glance:

## Tsunami Point-to-Point Solutions

### Why Tsunami?

- Reliable
- Secure
- Fast payback versus leased lines
- Easy installation
- Wide range of high-performance solutions
- License-exempt technology for immediate deployment
- Easily integrates into existing management platforms

### Target Markets

- Internet Service Providers
- Enterprise
- K-12 and Higher Education
- City, Local and Federal Government

### Applications

- Last Mile Access
- Campus Networking
- Metropolitan Area Networks
- Security and Surveillance
- IP Backhaul

### Services

All Tsunami Point-to-Point products come with a 24 month limited equipment warranty. All Tsunami QuickBridge products come with a 12 month limited equipment warranty. One, two and three year ServPak Service packages are available for all Tsunami products. ServPak packages include:

- 24x7 or 8x5 technical support
- Next business day hardware replacement
- Software upgrades
- Priority Phone Queuing

More information on ServPak is available on **www.proxim.com/support/servpak**

### Wireless Terminology

- Over the air data rate refers to the speed at which 2 radios speak to each other under normal network conditions.
- Aggregate throughput refers to the sum of the send and receive throughputs. On some products, the aggregate throughput may vary according to range and signal quality.


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| Product | Tsunami 480 | Tsunami 100 | Tsunami 100 | Tsunami.GX 90 | Tsunami 45 | Tsunami 45 | Tsunami 45 | Tsunami 10 | Tsunami 10 |
|---|---|---|---|---|---|---|---|---|---|
| Aggregate Capacity | > 870 Mbps | 206 Mbps | 206 Mbps | 96 Mbps | 93 Mbps | 93 Mbps | 93 Mbps | 24 Mbps | 24 Mbps |
| Full Duplex Data Capacity** | > 430 Mbps | 100 Mbps | 100 Mbps | 48 / 46.5 / 45 Mbps | 45 Mbps | 45 Mbps | 45 Mbps | 10 Mbps | 10 Mbps |
| Additional T1/E1 (wayside) | 4xT1 | 2xT1 | 2xT1 | 0 / T1 / 2xT1 | T1 | E1 | T1 | T1/E1 | T1/E1 |
| Frequency Band (MHz) | 5250-5350 and 5725-5825 | 5725 - 5825 | 5250-5350 and 5725-5825 | 5725 - 5850 | 5250-5350 | 5750.9-5798.9 | 21200-23600, Low or High Power | 5725-5850 | 2400-2483.5 |
| Order Number | 301-27900-G1 | 301-28010-51/2 | 301-27720-51 | 67255 and 67254 | 301-27750-51 | 301-27710-52 | 301-27400-51H/L | 301-31145-41/2 | 301-31190-41/2 |
| Frequency Channel Pairs | 1 | 1 | 1 | 1 | 1 | 1 | 24 | 2 | 1 |
| Primary Interface (Ethernet) | 1000BaseF(SX) | 100BaseT/F | 100BaseT/F | 100BaseT/F | 100BaseT/F | 100BaseT/F | 100BaseT/F | 10BaseT | 10BaseT |
| Network Interface | Fiber SC | Fiber SC & RJ-45 | Fiber SC & RJ-45 | Fiber SC & RJ-45 | Fiber SC & RJ-45 | Fiber SC & RJ-45 | Fiber SC & RJ-45 | RJ-45 | RJ-45 |
| Chassis Type | Indoor + Outdoor unit | Indoor Unit | Indoor Unit | IDU + RF Unit | Indoor Unit | Indoor Unit | Indoor + Outdoor Unit | Indoor Unit | Indoor Unit |
| Output Power (at maximum setting) | ≥ 10 dBm | ≥ 16 dBm | ≥ 10 dBm | ≥ 23 dBm | ≥ 13 dBm | ≥ 17 dBm | ≥ 17 dBm / ≥ 23 dBm | ≥ 20 dBm | ≥ 27 dBm |
| Threshold (BER=1x10$^{-6}$) | -73 dBm | -71 dBm | -77 dBm | -79 dBm | -78 dBm | -79 dBm | -77 dBm | -86 dBm | -86 dBm |
| Range* (miles/km) | > 6.4 / 10.3 | > 15.8 / 25.5 | > 5.0 / 8.1 | > 31.4 / 50.7 | > 7.0 / 11.3 | > 15.5 / 25.0 | > 4.0 / 6.5 or > 7.0 / 11.3 | > 15.5 / 25.0 | >26.9 / 46.8 |
| Management | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port | SNMP, HTTP, External alarm port |

** on primary interface

* Actual achieveable distance can be greater. Distance calculation based on the following assumptions: USA (FCC) regulations applied for EIRP limits, 99.995% one-way availability using a 6-foot parabolic antenna at each end, 100' of 5/8" coaxial transmission line for all IDU installations. Split-radio designs (IDU & RFU) assume RF Unit (RFU) is mounted next to antenna. Average terrain and climate conditions with proper path clearance.




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