

What is Tsunami™?

The Tsunami family of wireless Ethernet bridges provides cost-effective solutions that meet the growing demand for transparent and reliable high-speed network interconnectivity. Tsunami bridges provide a network connection between two Ethernet switches or routers that are located from one mile to more than 40 miles apart. Tsunami operates at aggregate throughput rates ranging from 16 Mbps to 872 Mbps.

PRODUCTS AT A GLANCE: TSUNAMI

WHY TSUNAMI?

- Ethernet Connectivity
 - Preserves native IP
- High-capacity
 - More capacity than leased lines
 - Transmits bandwidth-rich data communications between buildings and campuses
- Quick deployment
 - Deploys in days, not months
- Low cost
 - No monthly leased line fees
 - Fast return on investment
- Network control
 - Eliminates dependence on the phone company

TARGET CUSTOMERS

- Enterprises including:
- Multi-building and Campus Environments
 - Medical Centers and Hospitals
 - School Districts, Colleges and Universities
 - Federal, State and Local Government Agencies
- Internet and Network Service Providers including:
- MTU/MDU/MBU Service Providers (BLECs)
 - Wireless Internet Service Providers (WISPs)
 - Competitive Local Exchange Carriers (CLECs)
 - Broadband Service Licenses
 - Interexchange Carriers (IXCs)

CAPACITY								DISTANCE	
BRIDGING APPLICATIONS	<p>Enterprises: Gigabit LAN connectivity between buildings & campuses</p> <p>Service Providers: Infrastructure expansion Extending MAN fiber access Network redundancy</p>	<p>Enterprises: 100 and 45 Mbps LAN connectivity between buildings and campuses</p> <p>Service Providers: Infrastructure expansion Extending MAN fiber access Network redundancy</p>						<p>Enterprises: 10 Mbps LAN connectivity between buildings and campuses</p> <p>Service Providers: Last mile access Longer distance connections</p>	
PRODUCT LINE	Tsunami 1000BaseSX	Tsunami 100BaseT/F					Tsunami 10BaseT		
PRODUCT	TSUNAMI 480	TSUNAMI 100 5.8 GHz	TSUNAMI 100 5.3/5.8 GHz	TSUNAMI 45 23 GHz	TSUNAMI 45 5.8 GHz	TSUNAMI 45 5.3 GHz	TSUNAMI 10 5.8 GHz	TSUNAMI 10 2.4 GHz	
POSITION WITHIN TSUNAMI FAMILY	Highest capacity at a lower cost than OC-3 or OC-12 leased lines	Double the capacity of a DS-3	Double the capacity of a DS-3	DS-3 capacity at a much lower cost using 23 GHz licensed frequency	DS-3 capacity at a much lower cost for longer distances using the 5.8 GHz frequency	DS-3 capacity at a much lower cost	Equivalent of 8 T1s at a much lower cost using 5.8 GHz frequency	Equivalent of 8 T1s at a much lower cost using 2.4 GHz frequency	
AGGREGATE CAPACITY	872 Mbps	208 Mbps	206 Mbps	93 Mbps	93 Mbps	93 Mbps	24 Mbps	24 Mbps	
FULL DUPLEX DATA CAPACITY	430 Mbps	100 Mbps	100 Mbps	45 Mbps	45 Mbps	45 Mbps	10 Mbps	10 Mbps	
ADDITIONAL T1/E1 (WAYSIDE)	4 x T1	2 x T1/E1	2 x T1	T1	T1/E1 or 2 x E1	T1	T1/E1	T1/E1	
MAXIMUM DISTANCE	5 Miles/8 km	>8 Miles/13 km	>5 Miles/8 km	>5 Miles/8 km	>15 Miles/24 km	>5 Miles/8 km	>30 Miles/48 km	>30 Miles/48 km	
FREQUENCY TYPE	License-exempt	License-exempt	License-exempt	Licensed	License-exempt	License-exempt	License-exempt	License-exempt	
FREQUENCIES	5.3, 5.8 GHz	5.8 GHz	5.3, 5.8 GHz	23 GHz, Lo or Hi Power	5.8 GHz	5.3 GHz	5.8 GHz	2.4 GHz	
CONFIGURATION	Indoor + Outdoor Unit	Indoor + Outdoor Unit	Indoor Unit	Indoor + Outdoor Unit	Indoor Unit	Indoor Unit	Indoor Unit	Indoor Unit	
ETHERNET INTERFACE	1000BaseSX	100BaseT/F	100BaseT/F	100BaseT/F	100BaseT/F	100BaseT/F	10BaseT	10BaseT	
NETWORK INTERFACE	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	
NETWORK MANAGEMENT SUPPORT	SNMP, HTTP	SNMP, HTTP	SNMP, HTTP	SNMP, HTTP	SNMP, HTTP	SNMP, HTTP	—	—	
PRODUCT NUMBER	27900-G1	28010-51/2	27720-51	27400-51H/L	27710-51/2	27750-51	31145-41/2	31190-41/2	



The Capacity to Do Great Things.



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