BADU networks

PRODUCT BRIEF

*Warp*Engine™

Next Generation TCP Optimization Technology, Bringing the Future to your Network

Use Cases

Satellite Data Service

Cellular Carriers: LTE base stations

Internet service providers

Cloud Services: AWS

Enterprise Wi-Fi

VPNs

Venues, hotels, and schools

Underdeveloped & long connections

Hardware SKU

WE-1U-AC

Supported NICs

NIC-1G-2C
Dual port 1Gbps copper

NIC-1G-2SXLC
Dual port 1Gbps SR fiber (LC)

NIC-1G-2LXLC
Dual port 1Gbps LR fiber (LC)

License Options

100Mbps, 250Mbps, 500Mbps, 1Gbps

OVERVIEW

*Warp*Engine™ is built on Badu Networks' patented *Warp*TCP™ technology designed with the future in mind, to serve the dramatic increase in network traffic, mobile devices, users, and globalization. *Warp*TCP™ is not WAN optimization or caching - *Warp*TCP™ handles TCP by making it smarter. Badu's single-box solutions handle encrypted traffic, optimize bandwidth utilization, and perform for high noise networks like Wi-Fi, Cloud, and mobile. By delivering up to a 10x improvement in performance and throughput, *Warp*TCP™ ensures you'll get the most out of your network.

*Warp*Engine™ TCP OPTIMIZATION PROXY

*Warp*Engine™ is a scalable network optimization proxy appliance that can handle a large number of TCP sessions with little to no overhead. It can be deployed at the edge of networks for enterprise applications, in a service provider's core network, or in front of hundreds or thousands of servers in a data center.

Performance for *Warp*Engine™ depends on network variables such as round trip time (RTT), packet loss, available bandwidth, and size of content. It is based on Badu's patented *Warp*TCP™ technology, which was developed specifically to perform well in wireless networks.

*Warp*TCP™ BENEFITS

DESIGNED FOR CLOUD & MOBILE DEVICES

Optimizes performance for high noise networks

SINGLE BOX DEPLOYMENT

Patented one-box solution costs significantly less than competing two-box solutions

ACCELERATES ENCRYPTED TRAFFIC

Full performance when handling encrypted and compressed traffic

MAXIMIZES BANDWIDTH

Increases network efficiency without costly network equipment upgrades, while complimenting past and future network investments
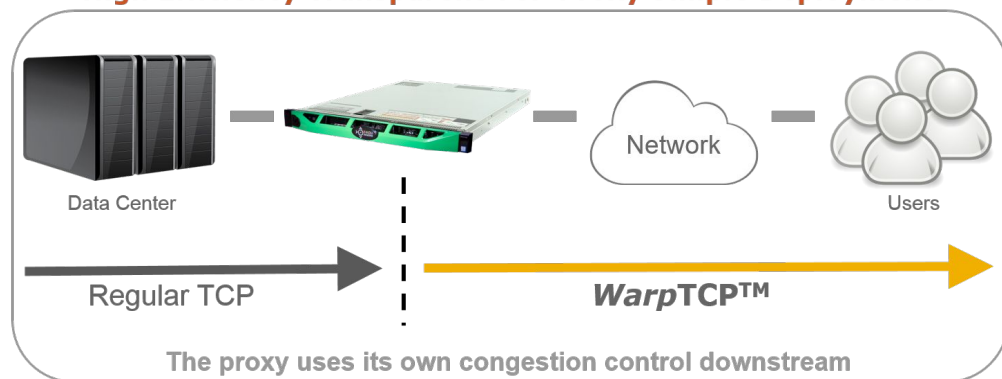
ADJUSTS FOR GROWTH

Solves the growing challenge of ad hoc Wi-Fi and cellular users

*WARP*ENGINE™ TECHNICAL SPECS

Feature	*Warp*Engine™
Maximum Optimized Throughput	1 Gbps
Maximum Simultaneous Optimized TCP Flows	500,000
Data Network Interface Options - **Dual Port Bypass** - **Watchdog**	1G Copper (RJ45) Multi-mode Fiber (LC) Single-mode Fiber (LC)
Management Interface	1G Ethernet (RJ45)
Total PCIe Slots	1
Power Supply	Dual Redundant 550W AC
Storage	400GB SSD - RAID1
Environmental	NEBS 3 compliant Mil STD 810G temperature, shock, vibration
Form Factor	1U
SNMP	V2C, V3

High Efficiency Transparent TCP Proxy Simple Deployment

Data Center

Network

Users

Regular TCP

*Warp*TCP™

The proxy uses its own congestion control downstream

Learn more at www.badunetworks.com/products/warpengine

About BADU NETWORKS

Founded in 2012, Badu Networks has become the market leader in TCP optimization solutions with our patented *Warp*TCP™ technology that delivers up to a 10x improvement in performance and throughput. Our appliance and software products leverage this patented technology to maximize existing network ROI by dramatically reducing webpage load and file transfer times and improving mobile application responsiveness. For more information, visit **www.badunetworks.com.**

www.badunetworks.com   2460 Main Street, Irvine, CA   info@badunetworks.com