



## PRODUCT BRIEF

# WarpEngine-X™



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

**WEX-1U-AC**

### Supported NICs

**NIC-10G-2C**

Dual port 10Gbps copper

**NIC-10G-2SXLC**

Dual port 10Gbps SR fiber (LC)

**NIC-10G-2LXLC**

Dual port 10Gbps LR fiber (LC)

### License Options

**1Gbps, 2.5Gbps, 5Gbps, 10Gbps**

### OVERVIEW

WarpEngine-X™ is built on Badu Networks' patented WarpTCP™ technology designed with the future in mind, to serve the dramatic increase in network traffic, mobile devices, users, and globalization. WarpTCP™ is not WAN optimization or caching - WarpTCP™ 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, WarpTCP™ ensures you'll get the most out of your network.

### WarpEngine-X™ TCP OPTIMIZATION PROXY

WarpEngine-X™ is a 10Gbps scalable network optimization proxy appliance that can handle TCP sessions with little to no overhead. It can be deployed at the customer premise 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 WarpEngine-X™ 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 WarpTCP™ technology, which was developed specifically to perform well in wireless networks.

## WarpTCP™ 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

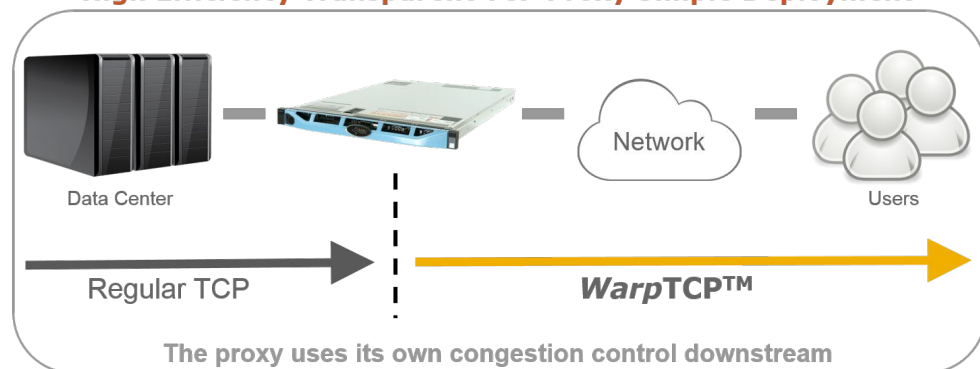
### ADJUSTS FOR GROWTH

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

## WARPENGINE-X™ TECHNICAL SPECS

Feature	WarpEngine-X™
<b>Maximum Optimized Throughput</b>	10 Gbps
<b>Maximum Simultaneous Optimized TCP Flows</b>	5,000,000
<b>Data Network Interface Options</b> - Dual Port Bypass - Watchdog	10G Copper (RJ45) 10G Multi-mode Fiber (LC) 10G Single-mode Fiber (LC)
<b>Management Interface</b>	1G Ethernet (RJ45)
<b>Total PCIe Slots</b>	2
<b>Power Supply</b>	Dual Redundant 550W AC
<b>Storage</b>	400GB SSD - RAID1
<b>Environmental</b>	NEBS 3 compliant
<b>Form Factor</b>	1U
<b>Chassis Depth</b>	27.5" (70cm)
<b>SNMP</b>	V2C, V3

### High Efficiency Transparent TCP Proxy Simple Deployment



Learn more at [www.badunetworks.com/products/warpengine-x](http://www.badunetworks.com/products/warpengine-x)

## About BADU NETWORKS

Founded in 2012, Badu Networks has become the market leader in TCP optimization solutions with our patented WarpTCP™ 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](http://www.badunetworks.com).