

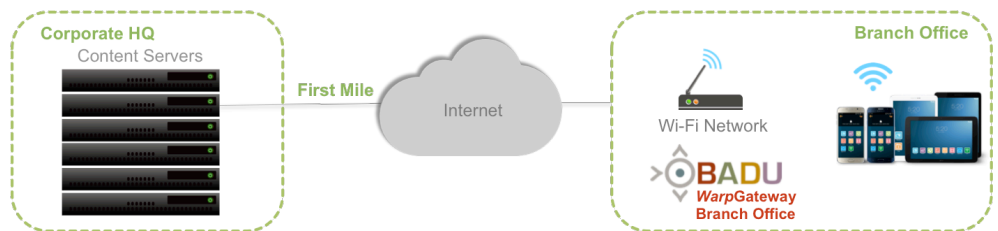
# WarpGateway™ Branch Office

## Overview

The Internet is a busy data superhighway driven by the rapid growth of wireless devices and cloud computing applications. The trend in IT of consolidating data centers to leverage centralized security and network management control has posed challenges to branch office locations. These challenges include service consistency and application response time, especially when coupled with poor WAN connections in remote geographies. Branch Office locations often tend to be customer facing or operations-oriented and are critical to a businesses' success. Badu Networks has developed a TCP Optimization proxy to address these needs.

## WarpGateway Branch Office – TCP Optimization Proxy

WarpGateway™ Branch Office solution is designed to improve application response time without the need for costly network equipment or end user device upgrades. It is a transparent optimization proxy that sits between your Internet connection and local Wi-Fi or Ethernet network.



WarpGateway™ Branch Office accelerates downloads and uploads by up to 100% depending on network conditions. Performance for WarpGateway™ Branch Office depends on network variables such as round trip time (RTT), packet loss %, available bandwidth, size of content, and other factors. It is based on Badu's WarpTCP™ technology, which was developed specifically to perform well in wireless networks.

## Features

- TCP Optimization Proxy Appliance
- Improves application response time from Remote and Branch offices
- Up to 100Mbps throughput
- HW and SW bypass options
- Plug and play installation using WarpAdmin™ management tool



# Benchmarks

The *WarpGateway™* Branch Office benchmarks were measured on a production Enterprise network with remote locations across the world. Page Load times were measured with and without *WarpTCP™* optimization and showed on average 63% improvement.

# Free Trial

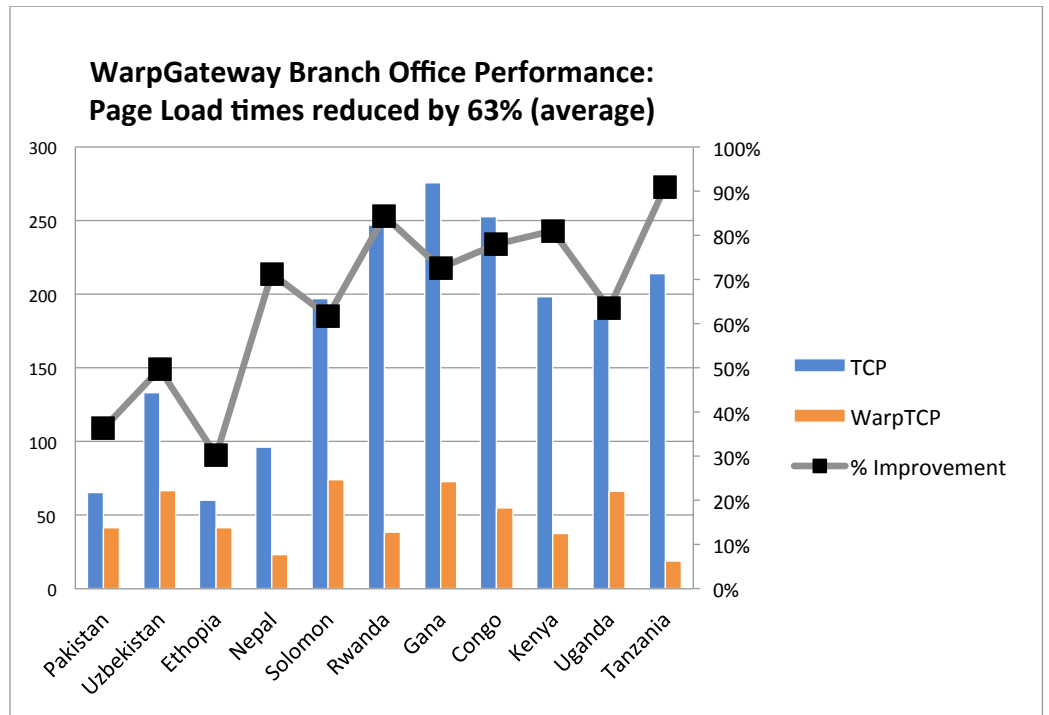
Discover the benefits that *WarpGateway™* Branch Office delivers by asking for a free 30-day trial. Visit our website today and click on the “Free Trial” button at the bottom of the home page for your free copy of the software. It is risk free and easy to test.

## WarpTCP™ – Smarter Congestion Control

TCP protocol was invented 35+ years ago, however it was never designed for use in massive cloud infrastructures or wireless networks. It was architected with guaranteed delivery in mind, not speed. Given the jittery nature of wireless networks, TCP often overreacts to congestion and network variations. The result is a drastic drop in throughput, causing a poor user experience.

*WarpTCP™* is a set of intelligent algorithms that maximize TCP throughput in the face of network variations such as delay, jitter, packet loss and random bandwidth fluctuation. It was especially designed to maintain high TCP throughput in wireless networks such as LTE and Wi-Fi. Compared to competing solutions, *WarpTCP™* does not overreact to temporary or false-alarm congestion, minimizes re-transmissions, and recovers faster from a congestion event.

## Benchmarks – WarpGateway™ Branch Office



## Summary

*WarpGateway™* is a scalable network appliance that can easily be deployed in small, medium or large enterprise environments including Wi-Fi hot spots. It optimizes your Wi-Fi network to improve data throughput speeds by 20% - 100%. The installation is plug and play and easy to manage using the *WarpAdmin™* administrator tool.

## Technical Specifications

Feature	WarpGateway™ Branch Office
Chassis	1U rack, Half-depth; 1.7" (H), 17.2" (W), 11.3" (D)
Optimized WAN capacity	100 Mbps
Memory	8 GB DDR4
Hard Drive	Intel® S3610 200GB 2.5", Enterprise SSD SATA mix use MLC 6Gbps
RAID Controller	Integrated RAID controller
PCI slots	One PCIe 3.0 slot
NIC Adapter Option(s)	100 Mbps dual-port bypass copper (RJ45)
Power Supply	AC Input Voltages: 100-240 VAC Input current: 2.6A maximum Input frequency: 50-60 Hz Output Power: 200W
Temperature	10°C to 35°C operating -40°C to 70°C non-operating
Relative Humidity	8% to 90% (non-condensing) operating 5% to 95% (non-condensing) non-operating
Environmental	RoHS Compliant
System Cooling	Two 4-cm high-performance fans
System Dimensions (Package)	6.1" (H) x 25.4" (W) x 19.8" (D)
Weight	Net Weight: 8.45 lbs (3.83 kg) Gross Weight: 12.55 lbs (5.69 kg)
Management	WarpAdmin™ web-based management tool to monitor TCP sessions and throughput as traffic flows through appliance.

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## Product Ordering Information

WarpGateway™ – Ordering Part Number(s):

**WG-100M-2B-2C-U1**      100Mbps with HW bypass copper, 1U profile



Improving the wireless experience