

## ProVu Communications

### CTX 1000



Intelligent, affordable traffic manager delivers toll-quality VoIP performance for SMB and remote offices.

Solve your VoIP problems quickly and easily with the CTX 1000 VoIP accelerator. The CTX-1000 ensures toll quality performance with robust traffic management to protect VoIP traffic and ensure optimum use of broadband bandwidth at the lowest possible cost.

#### Simple to Install

The CTX 1000 is simple to install, configure and operate, it instantly improves application performance for peak network efficiency.

#### Benefits

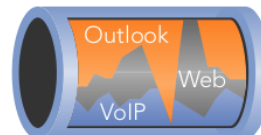
- Enhances your VoIP experience over the IP WAN by intelligently prioritizing and protecting latency sensitive traffic.
- Reduces user complaints and support costs caused by poor quality VoIP or slow response times for critical applications
- Eliminates the need to purchase additional bandwidth
- Integrates seamlessly into your existing IP network with out any changes to your router or application configuration.

#### Key Features

- Fast and easy to install GUI
- Industry-leading traffic management
- SIP application layer traffic classification
- Accurate bandwidth guarantees using class-based queuing
- Flow optimization with TCP rate shaping
- Packet size optimization
- Highly efficient use of bandwidth protects VoIP while dynamically allocating available bandwidth to other applications
- 802.3af compliant PoE LAN port

#### BANDWIDTH USAGE BEFORE CTX 1000

Caller:  
John, can you  
attend the  
meeting?

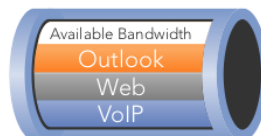


Callee heard:  
Joh , can  
atten the  
meet ?

Lack of QoS results in poor VoIP performance.

#### BANDWIDTH MANAGEMENT AFTER CTX 1000

Caller:  
John, can you  
attend the  
meeting?



Callee:  
John, can you  
attend the  
meeting?

Prioritization ensures quality VoIP performance.

# ProVu Communications

## CTX 1000

### Technical Data

#### WAN Interface:

- 10/100 BaseT, RJ-45 port
- Auto MDI/MDI-X, full/half duplex. auto-negotiating
- Forced settings: 10/100Mbps and full or half duplex

#### LAN Interface:

- 1 x 10/100 BaseT, 802.3af PoE, RJ-45
- Auto MDI/MDI-X, full/half duplex, auto negotiating

#### External Power Supply:

- Power Rating: Input:100-240 VAC, 50/60 Hz Output: +5V 2.6A
- Power Consumption: 1.0A @115VC

#### Application-aware traffic management:

- Up to three classes of traffic: VoIP, Critical data and Other
- Intelligent prioritization between classes:
  - VoIP receives highest priority
  - Critical data application receives next highest priority
  - Other is a catch all class and receives best-effort service
- Precise bandwidth guarantees per class
- Rate limit option for critical data classes
- TCP rate shaping
- Class based queuing
- Powerful traffic classification engine:
  - Citrix
  - HTTP
  - HTTPS
  - IMAP
  - Lotus Notes
  - POP3
  - SMTP
  - SNMP
  - SSH
  - Telnet
  - Application layer classification engine for SIP traffic
  - Type of service (TOS)
- Inbound/Outbound WAN link bandwidth settings for symmetric and asymmetric lines (DSL, cable modem)

#### Advances VoIP QoS Features

- Packet size optimization(MTU setting)
- Codec-aware, embedded intelligent bandwidth calculator
- VoIP class bandwidth and priority guarantees
- Traffic reporting per class in:
  - Actual kbps and packets per second (15 sec period), average kbps (15 min period)

- Total bytes and packets
  - Inbound/Outbound traffic statistics

#### VoIP Class

- Protocols supported:
  - SIP(RFC 3261)
  - SDP (RFC 2327)
- Codecs supported
  - G.711
  - G.729
  - G.726
  - G.723
  - G.722
- Number of managed calls
  - Default six calls. configurable
  - Number of calls limited only by the link bandwidth

#### GUI Designed for Easy and Fast Installation

- DHCP client on fixed IP address
- CTX Device discovery applications
- All complexity hidden from users: 3 simple GUI screens

#### Management Interfaces

- HTTP 1.0/1.1, HTTP over SSL, Telnet
- Standard MIBs:
  - SNMP v1/v2c (RFC 155-1157, 1901-1908)
  - MIBII (2011,2012,2013)
- Dual configuration files, for configuration restoration
- Firmware upgrade
  - Manual, initiated from GUI
  - Automatic upload from an URL location

#### Physical Dimensions

- Height: 1.75 inches (4.445 cm)
- Width: 7.5 inches (19.05 cm)
- Depth: 5.0 Inches (12.7 cm)
- Weight: 2.5 Lbs. (1.14 kg)

ROHS Compliant

