CTX 600 VoIP ACCELERATOR

**INTELLIGENT, AFFORDABLE TRAFFIC MANAGER DELIVERS TOLL-QUALITY
VOIP PERFORMANCE FOR SMB AND REMOTE OFFICES**

> Branch offices and small offices that have invested in IP telephony expect clear and reliable performance at a lower cost, but many have been disappointed with poor performance resulting in user complaints and rising IT support costs. The CTX 600 delivers the most powerful traffic management available in a low-cost network appliance to guarantee toll-quality VoIP performance, ensure optimum bandwidth usage and help realize network savings. This simple to install and manage solution instantly improves application performance for peak network efficiency. With the CTX 600 you can:

- Give top priority and guaranteed bandwidth to VoIP
- Give second priority to mission-critical data applications like Citrix or set limits to manage bandwidth hungry applications
- Give other data applications best effort service

KEY FEATURES

- Fast and easy to install GUI
- Industry-leading traffic management
- SIP application layer traffic classification
- Precise 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
- 4 port LAN switch

SOFTWARE FEATURES

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 class
- Dynamic bandwidth allocation with bursting and borrowing for data classes
- TCP Rate Shaping
- Class Based Queuing
- Powerful traffic classification engine:
  - IP address and range
  - TCP/UDP port number and range
  - Predefined Applications:
    > 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)

ADVANCED 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 minute period)
  - Total bytes and packets
  - Inbound/Outbound traffic statistics

VoIP CLASS SETTINGS

- 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 or Fixed IP address
- CTX Device discovery application
- 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 1155-1157, 1901-1908)
  - MIBII (2011,2012,2013)
- Dual Configuration files, for configuration restoral
- Firmware Upgrade
  - Manual, initiated from GUI
  - Automatic Upload from an URL location

CTX 600 PERFORMANCE SPECIFICATIONS

WAN THROUGHPUT	Up to 6 Mbps
# OF CONCURRENT VOICE CALLS (G711)	Up to 60
# ETHERNET SWITCH PORTS (10/100 BASE T)	4

HARDWARE FEATURES

PHYSICAL DIMENSIONS

HEIGHT	1.8 Inches
WIDTH	11.25 Inches
DEPTH	5.8 Inches
WEIGHT	4 Lbs.

WAN INTERFACES

- 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 INTERFACES

- 4 x 10/100 BaseT, ethernet switch, RJ-45 port
- Auto MDI/MDI-X, full/half duplex, auto-negotiating

EXTERNAL POWER SUPPLY

Power Rating:
- Input: 100-240 VAC, 50/60 Hz;
  Output: +15V 1.0A
Power Consumption:
- 1.0A @ 230VAC, 2.0A @ 115 VAC

ORDERING INFORMATION

CTX-600	VOIP ACCELERATOR WITH 4 ETHERNET SWITCHED PORTS

converged access