OB-WAN VoIP ATA-2 Specification (Preliminary)

August 2004

Features

- VoIP adapter for a POTS phone
- Dual Access – incoming and outgoing calls from both IP and PSTN
- Automatic firmware upgrade capability

Server Protocols Supported

- H323 version 4
- SIP (RFC2543 & RFC3261)
- MGCP (RFC2705 & RFC3435)
- Net2Phone private protocol
- IAX2 option in development

Hardware Interfaces

- RJ-45 10Mbps internet or LAN (Realtek RTL8019)
- RJ-11 x 2 for PSTN and phone

NAT Traversal

- Stun server

Audio Capabilities

- g711a&u, g723.1, g729
- iLBC in development
- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generation)
- AEC (Acoustic Echo Cancellation)
- DTMF Tone detection and generation
- Adaptive jitter buffering
- Caller ID generation

Networking Capabilities

- PPPoE
- DHCP client or static IP
- TFTP
- Telnet
- RTP/RTCP
- NTP, TCP/UDP/IP, ICMP, DNS, ARP

Configuration and Management

- Web-based setup
- Upgrade via TFTP, HTTP, Telnet or manual upgrade tools

Core Technology

- Centrality PA1688 System-on-Chip enhanced micro plus DSP
- Mature, well-supported platform in use by multiple manufacturers

Power Adapter

- Input 110V 60Hz (NEMA 1-15R) or 240V 50Hz AC (AS-3112)
- Output 9V DC @ 0.5A

Operating Range

- 0~40 degree Celsius
- 5% to 95% humidity

Product Availability

- Sampling October 2004
- Full production December 2004

Represented in Australia by Judd Electronics, Melbourne
[Authorized developer for Centrality Communications]