Analog VoIP Gateway

UB40-16O is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), and PBX systems. The device offers 16 FXO ports, which is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

UB40-16O supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.

16 Port FXO Gateway

Embedded Operation System

Market-proven hardware design

Carrier-grade reliability

Main/Secondary SIP server failover

TLS/SRTP Security

Highlights

- Cost effective gateway with 16 FXO ports
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U,G.723.1,G.729A/B etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

Physical Interfaces

Capacity:

16* FXO, RJ11

Ethernet Interfaces:

3* LAN, 10/100Mbps, RJ-45
Console: 1*RS232, 115200bps

FXO

Connector: RJ11
Dial Mode: DTMF/Pulse Dialing
Caller ID: FSK, DTMF
Polarity Reversal
Answer Delay
Busy Tone Detection
No Current Detection

Voice & FAX

G.711A/U law, G.723.1, G.729A/B,
Silence Suppression
Comfort Noise Generation (CNG)
Voice Activity Detection (VAD)
Echo Cancellation (G.168), with up to 128ms
Adaptive (Dynamic) Jitter Buffer
Programmable Gain Control
T.38/Pass-through
Modem/POS
DTMF mode: Signal/RFC2833/INBAND
VLAN 802.1P/802.1Q
Layer3 QoS and DiffServ

VoIP

Protocol:

SIP v2.0 (UDP/TCP), RFC3261
SDP, RTP(RFC2833), RFC3262,
3263,3264,3265,3515,2976,3311
SIP TLS/SRTP
RTP/RTCP, RFC2198, 1889
RFC4028 Session Timer
RFC3266 IPv6 in SDP
RFC2806 TEL URI
RFC3581 NAT,rport
Outbound Proxy
DNS SRV/ A Query/NATPR Query
SIP Trunk
Early Media/Early Answer
NAT: STUN, Static/Dynamic NAT

Maintenance

SNMP v1/v2/v3
TR069, TR181
Web/Telnet
Configuration Backup/Restore
Firmware Upgrade via Web
CDR
Syslog
Network Capture
NTP/Daylight Saving Time
IVR local Maintenance

Network

Static/Dynamic IP,
PPPoE
DHCP Client
IPv4/IPv6
TCP, UDP,TFTP, FTP, ARP,RARP,
Ping, NTP, SNTP, HTTP/HTTPS, DNS
Ping / Tracert
DHCP Option 66,120,121
OpenVPN

Software Features

Port Group
Web ACL
Telnet ACL
Action URL
Digitmap
Routing Rules based Prefixes
Caller/Called Number
Manipulation
Speed Dial

Environmental

Power Supply: 100-240VAC, 50-60 Hz
Power Consumption:30W(Typical)
Operating Temperature:0 ℃ ~ 45 ℃
Storage Temperature: -20 ℃ ~80 ℃
Humidity:10%-90% Non - Condensing
Dimensions(W/D/H): 440*230*44mm
Unit Weight: 2.7kg
Compliance: MTCTE