

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

Auto Provisioning

Web/Telnet

Configuration Backup/Restore

Firmware Upgrade via Web

CDR

Syslog

Network Capture

NTP/Daylight Saving Time

IVR local Maintenance

Cloud-based Management

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 °C ~ 45 °C

Storage Temperature: -20 °C ~80 °C

Humidity:10%-90% Non - Condensing

Dimensions(W/D/H): 440*230*44mm

Unit Weight: 2.7kg

Compliance: MTCTE