



Product Brochure



OVERVIEW

The Microtronix MWI UniCom LV Translator provides Message Waiting Indicator (MWI) notifications from either a legacy Voice Mail Server (VMS) or a Unified Messaging Server (UMS) to VoIP phones across SIP/IP networks. The unit supports translation of received SMDI MWI messages into unsolicited SIP NOTIFY messages. The UniCom LV can be configured to do the DN to IP address resolution using an internal lookup table or it can forward SIP NOTIFY messages to a Proxy Server for processing and DN to IP address resolution and delivery to the VoIP phone.

Features

- Connects to legacy VMS or UMS's via SMDI
- Compatible with: Microsoft Exchange Server 2007, Geomant MWI 2007, Nortel UM 2000
- Performs SMDI MWI - SIP MWI message translation
- Generates unsolicited SIP NOTIFY requests
- Supports SMDI over serial or TCP/IP connections
- 1 to 16 SMDI links
- Ethernet interface to SIP network
- Web-based GUI for remote configuration and management

DESCRIPTION

The Microtronix MWI UniCom LV Translator bridges the gap between SMDI based VMS or UMS systems and SIP/IP networked VoIP devices. Based upon the status change of a voice mailbox, the VMS/UMS issues an SMDI MWI messages over an RS-232 serial port to the MWI UniCom LV Translator. The unit provides translation of SMDI MWI messages into unsolicited SIP NOTIFY messages.

The DN is extracted from the incoming SMDI message and used to construct the userIP@domain.com SIP NOTIFY message. The destination address specified in the SIP NOTIFY message is dependent on the configuration of the translator since it be configured either to do the DN to IP address resolution using an internal lookup table or it can forward SIP NOTIFY messages to a SIP Proxy Server for address resolution and delivery to the VoIP phone. When the translator uses its own DN to IP address resolution, it sends the SIP NOTIFY messages directly to the end device.

TECHNICAL INFORMATION

Messaging Example:

SMDI message received from Voice Mail System or UMS:
OP:MWI 5551234567!

The Directory Number (DN) is extracted and used in an outgoing SIP Notify message with fields:
sip:5551234567@proxy
Messages-Waiting: yes

The SIP message is then forwarded to SIP VoIP device.

Protocols and Standards

- Remote management via Simple Network Management Protocol (SNMP)
- SMDI: Simplified Message Desk Interface (Bellcore TR-NWT-000283)
- RFC 3261: Session Initiation Protocol (SIP)
- RFC 3265: Session Initiation Protocol - Specific Event Notification: (EXT. of 3261)
- RFC 3842: A Message Summary and MWI Event Package for SIP
- RFC 3966: The tel: URI for telephone numbers
- ITU-T E.123 Notation for national and international telephone numbers
- UDP and TCP

Hardware Features

- 1U 19" Rack mount platform
- Dual Ethernet interfaces
- 100 - 240 VAC or -48 VDC / NEBS
- Front panel accessible Console Port
- Up to 16 RS-232 Serial Ports
- 2 PCMCIA slots
- Optional: redundant power supplies

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
6410-02-XX	MWI UniCom LV (AC Powered)
6410-02-N-XX	MWI UniCom LV (DC Powered, NEBS approved)
Optional:	Extended H/W Warranty
Optional:	S/W Maintenance

Instructions:

When quoting the above part number please replace **XX** with the number of required SMDI link licenses. **For example:** an AC Powered MWI UniCom LV unit with 4 SMDI link licenses appears as follows: **6410-02-04**

Distributor / Representative:

Where to Buy

This product is available online from: Microtronix webstore and authorized Microtronix distributors.

Messaging Capabilities

The MWI Unicom LV Translator provides translation of SMDI messages into unsolicited SIP NOTIFY messages. The DN is extracted from the SMDI message then used to form a SIP NOTIFY message. The destination address specified in the SIP NOTIFY message is dependent on the configuration of the Translator. The SIP NOTIFY messages may be sent directly to a SIP Proxy Server which will be responsible for resolving a DN to an IP address.



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