



SMDI Translator

Direct Replacement for the Lucent 3A Translator

Product Brochure



Highlights

- Drop-in replacement for the Lucent 3A Translator
- Converts 5ESS Switch API protocol to 1AESS Switch SMSI protocol
- User configurable interface between Lucent 5ESS® Switch API and Voice Mail/messaging System
- Supports Lucent 5ESS® Switch APCP protocol
- Direct RS-232 serial connection to VMS
- X.25 and TCP/IP networking to VMS
- Integral ISDN BRI “U” interface

DESCRIPTION

The Microtronix **SMDI (Simplified Message Desk Interface) Translator** is a direct replacement for the Lucent 3A Translator. It provides a versatile, user-configurable interface between an Integrated Services Digital Network (ISDN) Application Processor Interface (API) connected to a Lucent 5ESS® Switch and a customer provided electronic Voice Mail/messaging System (VMS). The SMDI Translator converts the 5ESS® Switch API protocol to the 1AESS Switch SMSI protocol so that a VMS which was originally designed to operate on the 1AESS SMSI format can be used with the 5ESS® Switch.

The Microtronix **SMDI Translator** allows the customer’s VMS to send and receive Simplified Message Service Interface (SMSI) messages when connected to a Lucent 5ESS® Switch (Software Release 5E4.2 or later).

The Microtronix **SMDI Translator** receives message service system (MSS) messages and/or BCLID from the 5ESS® Switch through the D-channel of an ISDN line.

3A Translator Comparison

Component Features	Microtronix Translator	Lucent SMSI - 3A Multi Translator <small>Latest 3A (2004)</small>
Power	AC or -48VDC	AC Adaptor
NEBS	Optional	No
ISDN	(1) U-interface 2B+D	(2) T-interface 0B+D
Serial Port	2+1 Async/Sync Max 115200/2Mbps	3 Async Max 38400
Console Port	1 Async Diagnostic Output Command Interface	1 Async Diagnostic Output Command Interface
Ethernet Port	Yes	Yes
VMS/SMSI Mode	Yes	Yes
BCLID Mode	Yes	Yes
MDR Mode	Included	No
ISDN Terminal Adapter Mode	Included	No
ISDN Sync Adapter Mode	Included	No

TECHNICAL SPECIFICATION

SOFTWARE FEATURES	HARDWARE FEATURES
<ul style="list-style-type: none"> • Translation between Lucent 5ESS Switch and 1AESS (SMDI) • No limit on BCIDs • Configurable LCEN/OEN • Gateway software provides alternate TCP/IP connectivity to VMS • VMS port configurable for X.25 connectivity • Interface tracing • Telnet remote management • SNMP support 	<ul style="list-style-type: none"> • RS-232 port for direct connection to VAS (up to 115.2Kbps) • RS-232 diagnostic/statistics port • RS-232 console port • ISDN BRI card (U interface) • ISDN BRI "U" interface • NEBS-certified platform available • Dimensions: 9.5" x 7.25" x 1.625" (D x W x H)
ISDN API FEATURES	
<ul style="list-style-type: none"> • Pre-configured for 0B+D operation • Q.921/LAPD - SAPI 0, TEI 1 • X.25 on D-channel, one PVC • Full APCP support 	

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
0210-1U-S05	Transactor – SMDI Translator (AC powered, non NEBS)
0210-1U-N-S05	Transactor – SMDI Translator (-48VDC powered, NEBS Certified)

Accessories

The AC powered Transactor ships with the following accessories:

- M9000-CC: RJ45-DB25F (6') – Async console/serial port cable
- 811-04: DB25M-DB25M (1.5') – DCE-DCE Null Modem cable
- 5881-68-121P-1: Transactor 120VAC to 12VDC, 1A wall Power Adapter
- 8211-08: RJ-45 ISDN U Cable

The -48VDC NEBS Transactor products ship with above cable items plus a -48VDC power connection cable. The AC wall Power Adapter is not supplied.

Where to Buy

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

Distributor / Representative:



North American Head Office:

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