

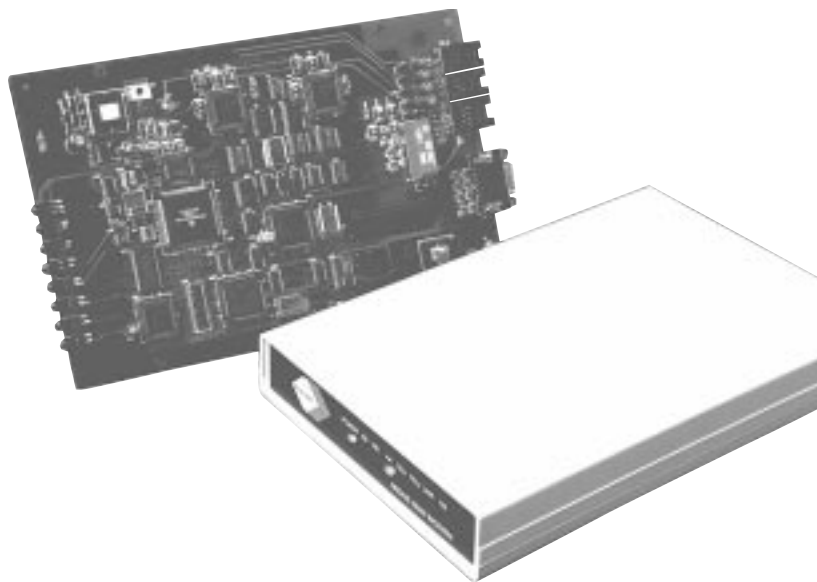
ISDN MODEM/MINI-PBX

High-Performance Operation for Office or Home

TeleSoft's MIDAS-UEN ISDN Modem is a high-performance external terminal adapter developed specifically for the North American market, incorporating the many special calling features necessary for a successful product. MIDAS-UEN will allow you to enter the rapidly growing North American ISDN market quickly, cost effectively and with minimum technical risk.

DISTINCTIVE CHARACTERISTICS

- ◆ ISDN Call Setup for US National ISDN + 5ESS + DMS-100
- ◆ Two Analog POTS Ports
- ◆ V.24 / RS-232 Serial Port
- ◆ AT Command PAD
- ◆ V.120 Rate Adaption
- ◆ Async-Sync ML-PPP
- ◆ 230.4 Kbps Max Speed
- ◆ Autobaud Detection
- ◆ Flash Download
- ◆ Major Benefits
 - ▲ Gold Level Product *
 - ▲ Rapid Market Entry
 - ▲ Minimizes Technology Risks
 - ▲ Low Cost BOM



TECHNOLOGY TRANSFER FOR OEMs

Each MIDAS product is a Technology Transfer Package that gives you full control over your product design and direction. You can customize, add value or change form factor. You have full flexibility for your first and future products because MIDAS Gold Level Products include a complete Hardware Design Kit, Software Source Code Kit, and Object Code. You get fully functioning boards loaded with Object Code; schematics, Gerber files, board layout and component listings.

The MIDAS-UEN is one member of a growing family of MIDAS (Modular ISDN Data Access Solution) products that are designed specifically to meet the needs of OEMs and ODMs for fast development of low cost ISDN products. Other BRI and PRI MIDAS products are available for North America, Europe, Australia and Korea. Implementations include internal active & passive cards and external boxes.



** TeleSoft has established Gold and Silver Levels of fit and finish for its MIDAS Products.*

In achieving the Gold Level, the product has met applicable telco conformance standards, passed interoperability tests with industry-leading devices and is ready for production release.

MIDAS-UEN ISDN Modem Specifications

Network Protocol	US National ISDN + 5ESS + DMS-100 Basic Rate
Network Connection	2-Wire 'U' via RJ45
Serial Port	V.24 / RS 232 via 9-pin D connector
B-Channel Protocols	V.120 Rate Adaption Async-Sync PPP and Async-Sync ML-PPP
Data Rates - V.120 + ML-PPP	300 - 115,200 bps (V.120 + Async-Sync ML-PPP)
DTE Max Speed	230.4 Kbps
Async Data Format	7-bit data + odd/even parity + 1 start/stop; 8-bit + no parity + 1 stop bit
Autobaud Detection	300 - 115,200 bps. Automatically matches internal to external baud rate
RAM	Standard: 256 KBytes; Optional 512 Kbytes
FLASH/EPROM	Standard: 512 KBytes; Optional 256 or 1024 KBytes
Data Connections supported	1 or 2 B-Channels (Async-Sync ML-PPP) 1 B-Channel (V.120)
Dialing Interface	Modem AT Commands via Serial Ports
Analog POTS Ports (2)	Ringling & DTMF Detection
Call Steering Features	Dial-in Number Contractor Number Global Receiving Service Bearer Capability
POST	Power On Self Test
Dynamic Protocol Selection	Hot Switching of B-Channel Protocols
Bandwidth-On-Demand	Automatically adds or drops second B-Channel
LED Status Indicators	Eight Software Programmable LEDs
Power	+ 9Vdc, Unregulated
Dimensions	PCB Only: 8.875 x 5.875 x .625 in. Enclosure: 9.5 x 6.5 x 1.5 in.

The Product Configuration described above is tested for compliance with the US specifications and for interoperability with industry standard terminal equipment. Due to the increasing number of implementations of ISDN devices TeleSoft does not guaranty interoperability. MIDAS-UEN is delivered with Source Code and Object Code for all the specified protocols. MIDAS-UEN is a turnkey type of product that can also be customized if desired before release to production.



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