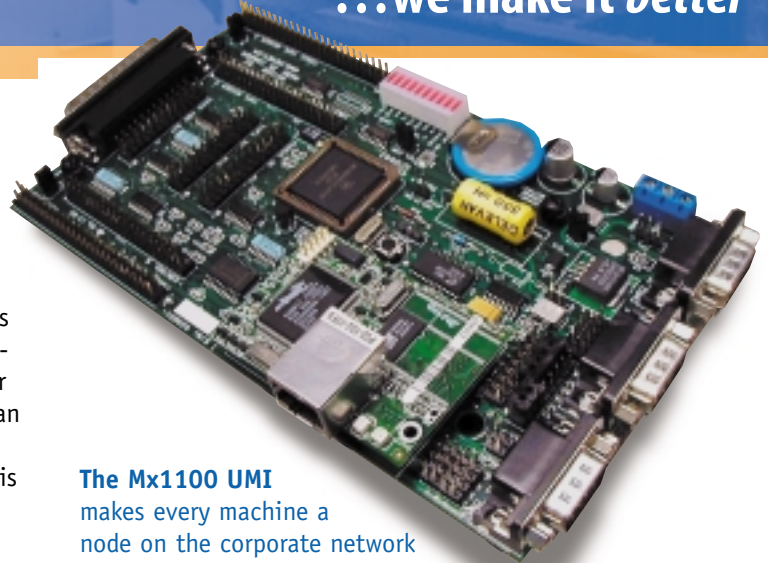




We don't make the part
...we make it *better*

The Mx1100 Universal Machine Interface™

Based on the proven Memex Mx1000 design, our next-generation Mx1100 UMI board was designed with the needs of today's demanding shop floors in mind. Economical, full-featured, flexible and powerful—the UMI enhances all your machine tool controls helping make them more capable than ever before. Add in machine tool monitoring for Overall Equipment Effectiveness (OEE) and you will wonder why this wasn't invented long ago. Once again, Memex connectivity leads to enhanced profitability...



The Mx1100 UMI makes every machine a node on the corporate network

Benefits:

- The first Ethernet-based BTR that allows machine monitoring
- Eliminates the need for punched paper tape
- Works with any DNC Software, including our Multi-DNC™
- Flexible Interface options means it will fit every CNC you have
- Easy to install on any control - usually Plug 'n Play

Features:

- 10BaseT Ethernet BTR / Serial Buffer
- 3 Serial Ports - COM1 with ESD protection to ± 15,000 Volts
- On-board 128/512k memory buffer with Perma-Charge Battery Backup
- Send and Receive ISO / EIA / Binary files to/from any Network PC
- Drip-feed mode supports unlimited file sizes loaded via Ethernet
- Supports Remote File Access and continuous data monitoring
- Optional Mx2000 Hand held Shop Terminal Connection
- EIA (RS244) code translation built in. Also supports most CNC protocols
- Built-in COM1&2 LED Header confirms serial connections

The Mx1100 UMI is the most advanced BTR on the market...

All Controls Can Be Interfaced:

Allen Bradley	General	OKK
Bendix	Automation	Okuma
Dynapath	General Electric	Sinumerik
Bostomatic	General Numeric	Siemens
Bridgeport	Gidding & Lewis	Pratt & Whitney
Charmilles	HECC / Houdiale	Warner Swasey
Cincinnati	Japax	Weidemann
Milacron	Kerney & Trecker	Westinghouse
Excellon	Mazak	Yasnac
Fanuc	Meldas	...and many more!
	(Mitsubishi)	

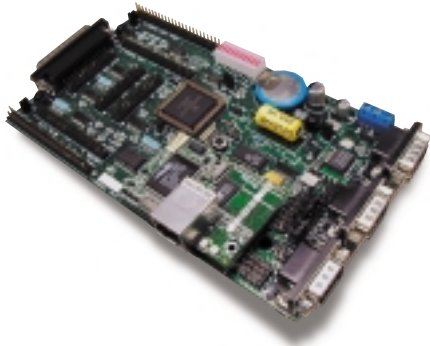
Memex Electronics Inc., 601 J Burlington Street East, Hamilton, Ontario, Canada L8L 4J5
Phone: (905) 529-1533 Fax: (905) 529-8399 Toll Free: (800) 563-6369 (MEMX)



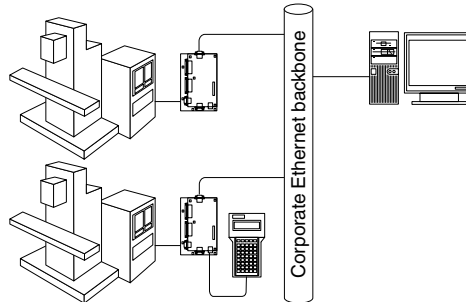
www.memex.ca

Manufacturing Connectivity Solutions™

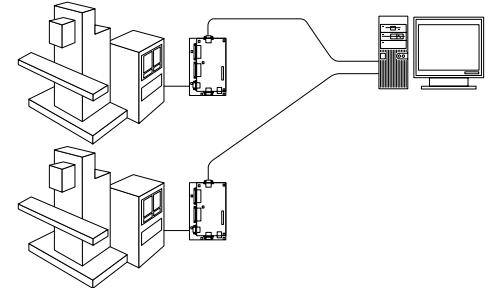
The Mx1100 UMI Universal Machine Interface™



Monitoring DNC Network Hookup



Typical RS232 Hookup



Hardware Specifications

CNC Serial Parameters:

- Stop bits 1 or 2
- Data bits 7 or 8
- Parity of Odd, Even or None

CNC Baud Rates:

- 300, 600, 1200, 2400, 4800, 9600, 19200, 38400, 76800 & 115200

Additional UMI Features:

- Add Leader/Trailer
- ISO/EIA Code translation
- Drip Feed mode
- Tape loop mode
- Memory Lock
- Programmable Timing

Supported DNC Features:

- Remote file request
- Remote reset of buffer memory
- File in UMI memory information
- View NC program in memory
- Search and Run from NC block

Reader Types Supported:

Decitek	Ghilmetti	Ricom
EECO	GNT	PTR210
Fanuc	Remex	Sanyo
GE		Denki

Punch Type Supported:

Facit 4070

Host Baud Rates:

10 Megabit per second Ethernet, TCP/IP guaranteed transmission

Host Protocols:

TCP/IP, Fanuc DNC0/2,
XON/XOFF, Mazak CMT, Hiedenheim
FE1/FE2 and others...

Safety Features:

Auto resetting fuse, keyed cable headers, low power (4.6 VDC) reset chip, DC/DC to power converter handles over-voltage, on-board serial breakout box, auto-recharge circuit for Lithium back-up battery, GND jumper for serial Signal Ground with resistor sink, Power On and status LEDs.

Power Requirements:

- +5VDC Regulated < 600ma
- +7-40VDC Unregulated < 600ma

Physical:

Size 4" x 7" x 1.25"

MTBF:

50,000 Operating Hours

Operating Temperature:

0° – 50° C

Connectors:

- COM1 - Serial port with ESD protection
- COM2 - Serial Port for Terminal or HSL
- COM3 - Serial Port for HSL or Serial Punch
- A1-A8 BTR Configuration Jumpers
- Power Header - +5VDC, +7-40V DC
- JP3 - SPI Header for Remote Reset Switch
- JP6&7 - Sanyo Denki 40 Pin Header
- J1 - EECO Header Out
- P2 - DB25 Remex Tape Reader Output
- JP13 - Remex Rape Reader Input
- JP5&8 - Fanuc 50 pin Tape Reader Header
- RJ-45 10BaseT Ethernet Port

Distributed By: