

# E1000

## HMI Terminals

### Open HMI Technology Expanding automation horizons



Simple ergonomic design for easier use



New high performance Intel Xscale CPU with Windows CE.NET



USB host and device interfaces



Compact flash slot for file transfer and data storage

# The key to integrated automation



HMI terminals make maintenance easier by giving access to all information from one point.

The new E1000 series of Operator Terminals provides a huge leap forward in display technology. Ergonomics and ease of use were central to the new series design. The E1000 proves again how open HMI technology can be the key to integrated automation.

Everything about the E1000 is representative of Mitsubishi's approach to automation, solid reliable designs, utilisation of high technology when it adds value and flexibility with operators in mind.

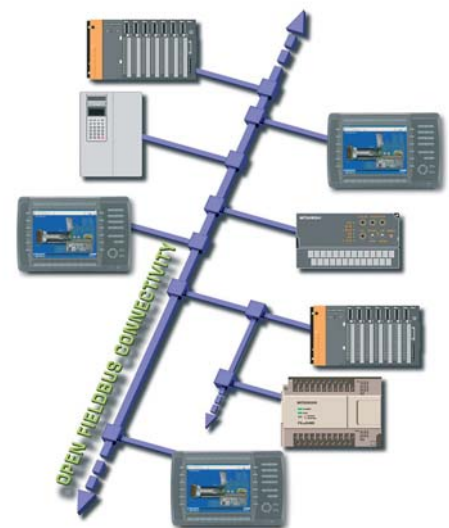
- External CF card slot for removable data storage card.
- Built in ethernet for immediate connection and networking on local LAN, intranet or internet.
- 12 MB application memory as standard. Models from E1070 and above have expandable application memory via use of a CF card.

## High performance design

By combining the latest Intel XScale RISC processor with 32 MB of Strataflash and 64 MB RAM, the E1000 not only offers high performance while running Windows CE.NET but also security and "peace of mind". With this powerful combination of technology your valuable production data and machines operational information is protected even if a power failure occurs during a file write process.

## Integration with the past

The E1000 is compatible with existing E series HMI solutions including the wide range of over 100 different drivers. This extensive library of drivers make the E1000 "open" for connection to industry leading PLCs, Inverters, Servo systems, networks and specialist control solutions from a wide range of industry leading manufacturers.



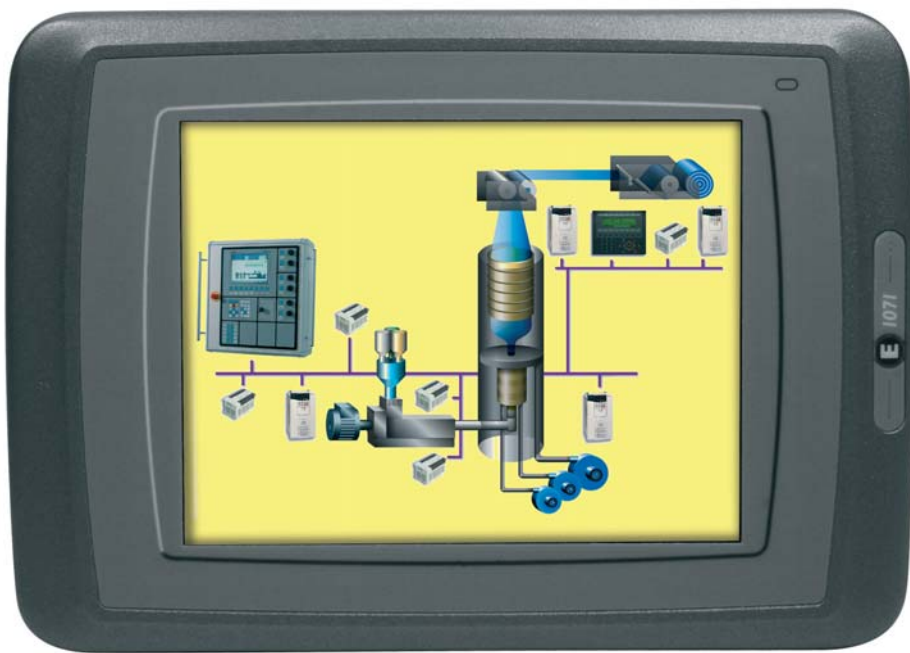
Highly compatible

## Integration with the present

The comprehensive range of communication options on the E1000 mean it's ready to talk with almost anything. It comes with built-in RS232 and RS422/485 ports as well as Ethernet, which can be used to remotely manage the E1000. Once an ethernet connection is enabled, remote program up/down load for program maintenance or for remote data collection is possible. In addition, by using E1000 utilities and tools, remote "viewing" of the locally displayed screen is also possible across an intranet or internet connection making sure you know exactly what is going on at a machine level.

## Integration with the future

A USB host is available allowing you to add standard PC peripherals such as keyboard, mouse, printers and USB memory to your local E1000 Operator Terminal.

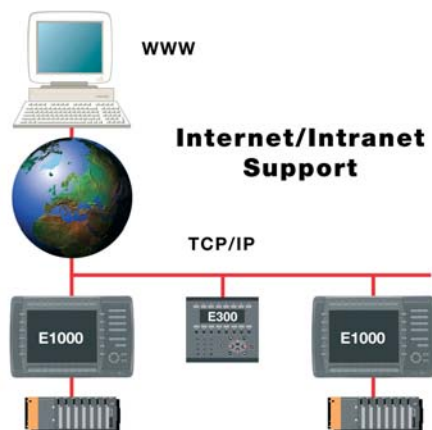


Touch-Screen terminal, tough Aluminium casing - stands up to the industrial work place

## Data access

Data storage and sharing are important functions of the manufacturing process and operator terminals are quickly becoming the gateway to that data. The E1000 series makes access to data easier and more flexible than ever before. Users can choose between the use of:

- Combined Ethernet -internet connectivity for factory wide or global access to data.
- Direct connection to a modem for a simple remote telemetry solution (GSM/GPRS/PSTN) where a system may be installed at an inaccessible location.
- A new external CF data card interface on the front of the E1000 also means data can be "taken" away on a removable data card for safe/permanent storage and processing.
- Local printing directly from the HMI display is also possible where a local hard copy of processed data is required.



Access via Internet/Intranet

# Specifications ///

Model	E1032	E1060	E1041	E1043	E1061	E1063	E1070	E1071	E1100	E1101	E1151
Unit style	Function key	Function key	Touch Screen	Touch Screen	Touch Screen	Touch Screen	Function key	Touch Screen	Function key	Touch Screen	Touch Screen
CPU	RISC CPU (Intel Xscale) 32 MB Intel Strata Flash, 64 MB RAM										
Operating System	Windows CE.NET 4.2										
Display	LCD, black/white	STN, 65,536 colours	TFT, 65,536 colours	TFT, 16 grey tones	STN, 65,536 colours	STN, 16 grey tones	TFT, 65,536 colours				
Backlight (dimmable)	LED	CCFL	LED	LED	CCFL	CCFL	CCFL and burnout detection				
Display in Inches	5.5"	5.7"	3.5"	3.5"	5.7"	5.7"	6.5"	6.5"	10.4"	10"	15"
Pixels	240 x 64	320 x 240	320 x 240	320 x 240	320 x 240	320 x 240	640 x 480	640 x 480	800 x 600	800x600	1024x768
Function keys	8 with text field	16 / 8 with text field	—	—	—	—	16 / 8 with text field	—	22 / 10 with text field	—	—
LED's	16	16	—	—	—	—	16	—	20	—	—
RS232	1 x 9 pin D-SUB										
RS485/422	1 x 25 pin D-SUB										
Ethernet	10/100 Mbit RJ45/TP										
USB Host	1 x for use with keyboard, mouse, printers, USB memorys etc.										
CF memory slot	—						1 x internal slot (for memory expansion 32 - 1024 MB)				
CF data slot	—						1 x external slot (for data capture/extraction)				
Power supply	+ 24 V DC (20 - 30 V) standard on all models – optional 85 - 240 V AC power module										
Construction	Case is made of cast aluminium										
Dimensions (mm) (B x H x T)	202 x 188 x 63	275 x 168 x 63	155.8 x 119 x 63	155.8 x 119 x 63	201 x 152 x 63	201 x 152 x 63	285 x 177 x 62	219 x 154 x 61	382 x 252 x 64	302 x 228 x 64	398 x 304 x 66
Programming Software	E-Designer Version 7.20										

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