Human-Machine Interface

Your Best Platform Choice

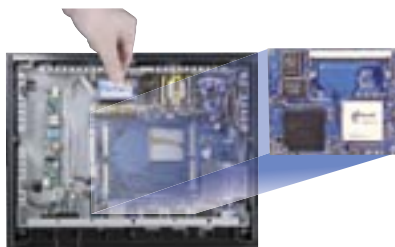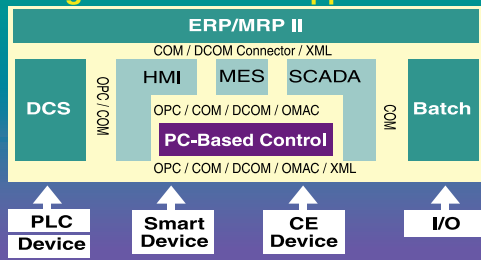### No Second Thought in Industrial Automation and Controls!!

Advantages of Windows CE .NET

Win CE .NET provides an integrated end-to-end tool set which helps manufacturing software applications integrated easily and seamlessly together, and reduce both operating system and applications developing time, achieving faster time-to-market purposes:

◆ Offer tiny and reliable core system services that enable the most demanding real-time embedded design across a breadth of devices
◆ Windows CE .NET framework provides the portability of developed applications across all Microsoft windows systems, such as Windows 98, NT, 2000, XP, etc.
◆ Low cost by each run-time license
◆ Modular design for flexibility and extensibility
◆ Run on many different processors, some with very low power consumption
◆ Instant power shutdown

Windows DNA in Manufacturing Integration between applications

ERP/MRP II

COM / DCOM Connector / XML

DCS OPC / COM HMI MES SCADA COM Batch

OPC / COM / DCOM / OMAC
PC-Based Control
OPC / COM / DCOM / OMAC / XML

PLC Device | Smart Device | CE Device | I/O

The Adoption of ETX Module

IEI Inc. is introducing a HMI product line, a practical hardware platform for HMI/SCADA software applications, which is made very easy to connect to PLC and Internet by offering LAN and communication ports. Besides it is very cost-effective to upgrade in the future based on its ETX architecture. HMI application vendors are able to save lots of cost by just upgrading the CPU module to get the performance scalability.
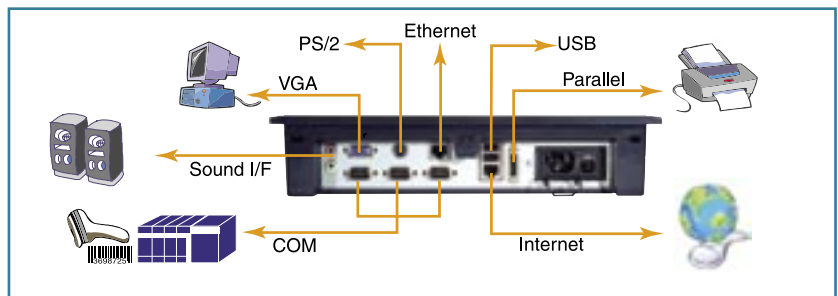
SPECIFICATIONS

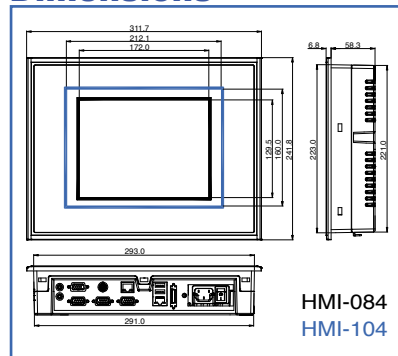| Model	TFT LCD					
	Size	Resolution	Brightness	Color	LCD MTBF	Backlight MTBF
HMI-084	8.4"	640 x 480	250 cd/m2	262 K	50000 hrs	25000 hrs
HMI-104	10.4"	800 x 600				

◆ Plastic front panel, meets IP65 standard
◆ Embedded ETX-EDEN-400 / ETX-GX-300 / ETX-5800-733 CPU module
◆ Equipped with 128MB SDRAM and IDE cable
◆ Equipped with 64MB DOM(Disk on Module) with Windows CE.NET pre-installed
◆ Ethernet: 2 x 10/100 Mbps RTL8100BL LAN chips
◆ I/O:
  – 2 x RS-232 serial port ,1 x RS-232/422/485
  – 1 x VGA port, 1 x parallel port, CF II
  – 2 x USB 1.1 port, PS/2 port, 2 x LAN port
  – 2 x Audio port (1 x Mic-in, 1 x Line-out)
◆ One 2.5" HDD drive bay
◆ Stardard equipped with resistive touch screen
◆ Standard equipped with ACE-855A power supply (5V@10A, 12V@4A), and one 6 cm removable cooling fan
◆ Option: ACE-855C, 24V DC input power supply
         ACE-845V, 12V DC input power supply
◆ Operating temperature: 0 ~ 50°C
◆ Vibration: 5-17Hz, 0.1" double amplitude displacement
         17-640Hz, 1.5G acceleration peak to peak
◆ Shock: 10G acceleration peak to peak (11ms)
◆ Color: Dark Blue (Pantone 433C)

HMI-084

PS/2   Ethernet   USB
VGA   Parallel
Sound I/F
COM   Internet

Dimensions

311.7
212.1
172.0
6.8   58.3
129.5
190.0
141.8
223.0
221.0
293.0
291.0

HMI-084
HMI-104

User friendly design to easy use Compact Flash

ORDERING INFORMATION

● HMI- [Size] / [CPU Module] / [Power Supply] / [CE]

084: 8.4" LCD
104: 10.4" LCD

ACE-855A   None: No.
ACE-855C   CE: with Windows CE .NET
ACE-845V

ETX-GX-300   ETX CPU module with NS GX1-300MHz CPU
ETX-EDEN-400   ETX CPU Module with VIA Eden-400MHz CPU
ETX-5800-733   ETX CPU Module with Transmeta 733MHz CPU