

## Embedded Computers ELIN Family



- **Stainless Steel Enclosed System**
- **NEMA 4/4X and CE Compliant**
- **Windows XP, WinXP Embedded**
- **15.0" Display Size**
- **650 MHz Ultra Low Voltage Celeron CPU**
- **2 x RS232 & 1 x RS232/422/485 Serial**
- **2 x USB Ports**
- **PC/104 & PC/104plus Expansion Slot**
- **Compact Flash**
- **256 MB RAM Expandable to 1GB RAM**
- **DUAL 10/100 Base-T Ethernet Port**
- **Clear Resistive Touchscreen**
- **PS/2 Mouse/Keyboard Port**
- **Analog Video Out Port**
- **USB Ports for Program Loading or Peripherals**

The ELIN embedded computer is designed to meet the most rugged application needs, while providing the power and performance that is required for mid-range control and HMI systems. Standard features include an Intel 650 MHz Ultra Low Voltage Celeron processor, clear resistive touchscreen, 2 selectable 10/100-Base-T Ethernet ports, 1 RS-232/422/485 & 2 RS-232 serial ports, 2 USB ports, PS/2 mouse/keyboard port and analog video out port. We offer several different alternatives to load your applications and data onto the ELIN. You could use the USB port and any USB drive (Pen drive, CDROM or Floppy) or simply use the Ethernet port to transfer large amount of data.

The display is a crystal clear 15.0" TFT LCD. The ELIN products are CE compliant, as well as NEMA 4/4X compliant when properly mounted in a correspondingly rated enclosure. The ELIN family also offers compatibility with VDE 0871 standards for EMI/RFI, as well as IEC 801 standards for ESD.

Each and every ELIN unit has been designed for and built to use in a harsh, dirty, computer-unfriendly environment. Once an ELIN is assembled, it is subjected to 72 hours of burn-in testing at 50°C. During this period of time, the ELIN is having a vast array of tests applied to it to insure that it will perform as well in your factory environment as it does in ours. Only after this testing period will any ELIN be approved for customer use.

## Specifications

### Environment

Operating Temperature..... 0 - 50° C  
 Humidity..... 0% - 95% non-condensing  
 Operating Power..... 24 V DC, 3 A nominal (±10%)

### Touchscreen Properties

Type..... Clear resistive  
 Resolution..... 4096 x 4096 matrix

### 15.0" Display Characteristics

Type..... TFT  
 Resolution..... 1024 x 768  
 Dot Pitch..... 0.300 mm<sup>2</sup>  
 Brightness (NITS) ..... 250 cd/m<sup>2</sup>  
 Backlight Life..... 50,000 hours  
 Number of Colors..... 256K  
 Horizontal Viewing Angle ..... 85° Left / 85° Right  
 Vertical Viewing Angle..... 85° Up / 85° Down

## Physical Characteristics - 15.0" Display

Bezel Height.....	12.69"
Bezel Width .....	15.56"
Cutout Height.....	11.80"
Cutout Width.....	14.70"
Unit Depth.....	4.58"
Unit Weight.....	9.5 lbs

## ELIN Ordering Information

Description	Part Number
15.0" ELIN.....	ELIN-15.0

## Operating System Ordering Information

Description	Part Number
Windows XP .....	WIN-XP
Windows XP Embedded.....	WIN-XPE

## Storage Media Ordering Information

Description	Part Number
Hard Drive (minimum of 20 GB) .....	HD
256 MB Compact Flash .....	CF-256
512 MB Compact Flash .....	CF-512
1 GB Compact Flash .....	CF-1024

## Additional Memory Ordering Information

Description	Part Number
256 MB RAM.....	EM256
512 MB RAM.....	EM512
1 GB RAM .....	EM1024

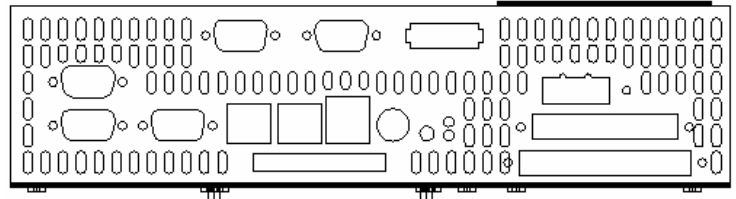
For example, a 15.0" ELIN with 512 MB of RAM running Windows XP, 1024 MB of Compact Flash storage media and a PC/104 port would be ordered as:

- ELIN-15.0-EM512-WIN-XP-CF-1024-PC/104

## Warranty

All products are warranted for one year from date of shipment against defects in material and workmanship.

## Port Layout Drawing



*Specifications subject to change without notice*



10150 International Blvd.  
Cincinnati, OH 45246  
Tel: 513-874-0900  
Fax: 513-874-2707  
Web: [www.exor-rd.com](http://www.exor-rd.com)