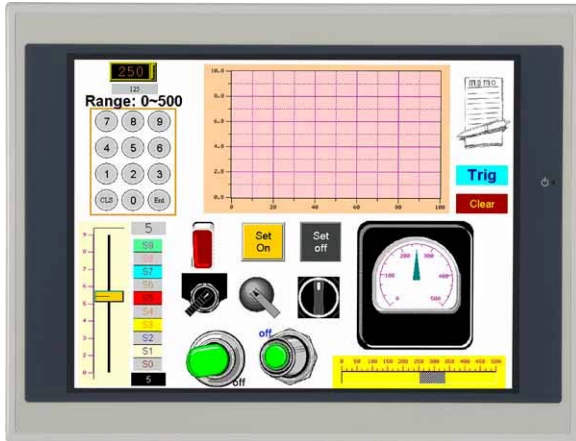


## effectiView eV121-TNT

The effectiView eV121-TNT is a high performance HMI panel with a 12.1" TFT display and touchscreen interface.



- 12.1" TFT color display, 64K colors, CCFL backlight
- 800X600 screen resolution
- Resistive touchscreen
- Portrait mode operation
- 10/100 Ethernet interface
- 2x USB 2.0 Host interfaces
- 16MB user memory

### Highlights

effectiView is a family of HMI operator panels offering an excellent price/performance factor; the level of functionality they offer is state-of-the-art for applications in factory and building automation. The eVDesigner software is the programming tool for all eV products.

The powerful simulation module of the eV Designer simplifies development and shortens the development time.

- Efficient and intuitive programming with the eVDesigner software. Powerful project manager workspace with support of multiple applications.
- Ample choice of communication drivers for industrial devices.
- Multiple driver communication capability
- Full vector graphic support with TrueType fonts. Portrait mode operation.
- Display dynamic data in multiple formats: numerical, text, bargraph, slider, gauge and graphic image formats. Multiple image formats supported: bitmap, JPEG and dynamic GIF. Multiple object properties with dynamic control, including visibility and position.
- Pop-up screens and windows.
- Data acquisition and trend presentation. Trend data can be transferred to a host computer.
- Recipe data storage. Recipe data can be transferred to a host computer.
- Multilanguage applications with Unicode support. Up to 10 run-time languages are possible. Application text can be exported/imported for translation.
- Powerful script language with easy-to-use editor. Macro commands can be triggered by touchscreen, events and timers.
- Alarms and historical alarm log. Alarm and event information can be printed or transferred to a host computer.
- Multiple level password protection.
- Data sharing with Ethernet-based network.
- USB interfaces support USB Flash drives and printers. USB Flash drive data transfers include run-time data such as recipes, alarms, alarm logs, trends, screen snapshots as well as the complete HMI configuration.

## Technical Data

### Display

Type	TFT
Resolution	800x600 pixel
Active display area	12.1" diagonal
Colors	64K
Backlight	CCFL
Dimming	Yes

### Memory

User memory	16MB Flash
System memory	128KB – 1MB RAM with battery back-up

### Front panel

Touch screen	Analog resistive
System LED indicators	1

### Interfaces

Serial	COM1 RS-232, RS-422, RS-485 COM2 RS-232, RS-422, RS-485 COM3 RS-232
Ethernet	10/100
USB	2x Host V2.0

### Functionality

Vector graphics	Yes
Multiple drivers	Yes
Multilanguage	10 online languages max.
Data acquisition and trends	Yes
Recipes	Yes
Alarms	Yes
Event list	Yes

Password	Yes
Hardware RTC	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, audible feedback for touch screen

### Ratings

Power supply voltage	24 VDC
Current consumption	1.2 A
Weight	Approx 2.2 Kg
Battery	Rechargeable, not user replaceable

### Environmental Conditions

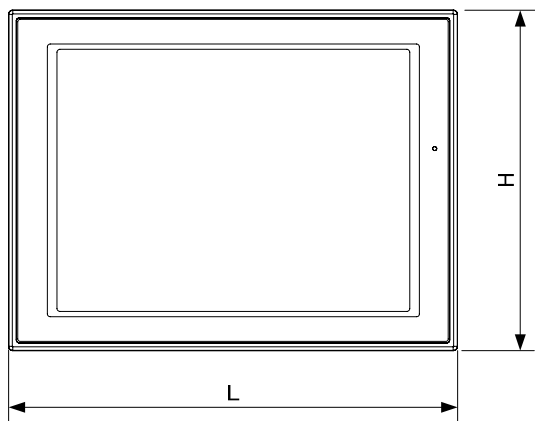
Operating temperature	0 to 50 °C
Storage temperature	-20 to +60 °C
Operating and storage humidity	10% – 90 % RH non-condensing
Protection class	IP65 front IP20 rear

### Dimensions

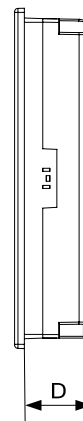
Faceplate LxH	315x241 mm
Cutout AxB	301.5x228 mm
Mounting depth D	50 mm

### Approvals

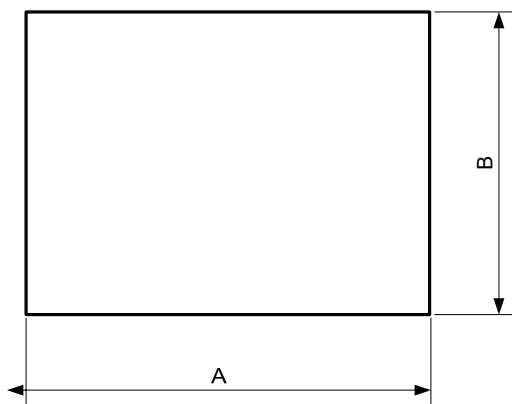
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
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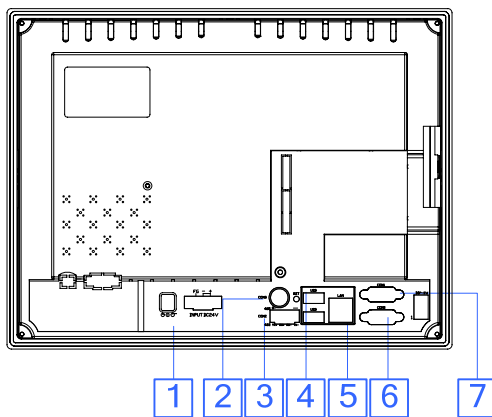
Faceplate



Side view



Cut-out



Connections

- 1 Power Supply
- 2 COM3 Serial Port (RS-232)
- 3 COM2 Serial Port (RS-422, RS-485)
- 4 2x USB Ports
- 5 Ethernet Port
- 6 COM2 Serial Port (RS-232, RS-485)
- 7 COM1 Serial Port (RS-232, RS-422, RS-485)

## Ordering Information

eV121-TNT-4A

HMI panel, 12.1" TFT display, 800x600, 64K colors, 16MB user memory, 128KB system memory, Ethernet interface, 2 USB interfaces

eV121-TNT-4A-R4

HMI panel, 12.1" TFT display, 800x600, 64K colors, 16MB user memory, 1MB system memory, Ethernet interface, 2 USB interfaces

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**Tn288 Ver. 1.1**  
**Exor International Inc.**  
**EMEA/South America: Exetec SA, Switzerland**  
**North America: Exor Electronic R&D, USA**  
**India: Exor India, India**  
**Asia: Cermate Technologies Inc., Taiwan**  
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