



15.0" High-Bright Fully Enclosed NEMA 4X (IP68) Computer with LCD



The VT150ESCHBU is ideal for industrial automation control, SCADA, data collection, process and master monitoring, and operator interface applications. The system is designed as an all-in-one computing platform to minimize costly upgrades and customizations.

Rugged

The VT150ESCHBU easily handle the punishment of harsh computing environments. They are proven tough in real world applications such as industrial production areas, military/marine applications, outdoor kiosks and public terminals. The VT150ESCHBU chassis has no external vents, so nothing can get under its skin, including dust, dirt, moisture, oil, chemicals or other harsh contaminants. A hard-anodized cast aluminum heat exchanger and internal heat management system keep it cool in environments where ambient temperatures approach 50°C -- without using outside air.

Compact

The relatively lightweight, small-footprint, rugged construction, and choice of conduit fitting locations, enable flexible mounting options for the VT150ESCHBU, including on walls, stands or other industrial equipment. A touch screen provides freedom from a keyboard and mouse, although either (or both) of these may be added.

FEATURES

- ◆ Resistive touch screen display (HMI)
- ◆ Industrial single-board computer
- ◆ Very High-Brightness 1800 cd/m² (nits) LCD Panel for Sunlight or High Ambient Lighting Readability
- ◆ NEMA 4x sealed enclosure
- ◆ Water proof and dust proof
- ◆ Stainless steel (316) construction
- ◆ Hard-anodized aluminum heat sink
- ◆ Closed loop thermal cooling for high heat environments
- ◆ Small footprint
- ◆ Flexible mounting options

*Supports all VESA standard video formats

Display SPECIFICATIONS

Display Size

15 Inch

Panel Type

TFT Active

Pixel Format

1024 x 768

Typical Viewing Angle

3:00 to 9:00 direction > ± 60°

6:00 to 12:00 direction > ± 55°

Contrast Ratio

500:1 Typical

Brightness

1800 cd/m² at full power - Adjustable down to less than 10 cd/m²

Backlight

25,000 hours half life

Dimming Ratio

200:1

LCD Screen Chromacity (x,y)

White (0.343, 0.352)

Red (0.628, 0.341)

Green (0.296, 0.586)

Blue (0.144, 0.103)

LCD Interface

LVDS

24VDC @ 0.50A

Power Consumption

35 Watts - excluding inverter loss

Bezel Finish

NEMA 4X Stainless Steel

COMPUTER SPECIFICATIONS

- 850 MHz PIII processor
- 256MB SDRAM (512MB option)
- 40 GB (80 GB option)
- 15" active matrix TFT LCD display, 1800 nits
- 1024 x 768 XGA
- 18 bit per pixel
- PC/104-Plus
- Supports CompactFlash™ card
- Type I/II and DiskOnChip
- 10/100 BASE-T Ethernet (IEEE 802.3u) (802.11x wireless option)
- USB 1.1 Type A
- RJ45 Ethernet
- Serial/Parallel
- Three additional USB (Type A or B)
- Additional 10/100 BASE-T
- Ethernet
- Supports APM for LCD power down
- 316 stainless steel sealed
- Anodized aluminum heat sink
- 8" Handles
- NEMA 4x, waterproof and dustproof
- 50°C operational temperature
- IP66
- MIL-STD-901-D
- MIL-STD-167-1
- MIL-STD-461

CONTACT

HEADQUARTERS

11529 Sun Belt Ct.
Baton Rouge, Louisiana 70809

Phone 800.223.8050

International

001.225.298.0300

Fax 225.297.2440

E-mail

sales@vartechsystems.com

Website

www.vartechsystems.com

www.vartechsystems.com