



Rear View

Description

The DatSys-3301 provides serial communication ports and Ethernet interfaces for data acquisition applications as well as human machine interface (HMI) applications. Supports HMI devices such as automation panels and industrial monitors, encoders and digital switches designed for industrial applications. With an operating temperature of -40°C to +85°C the DatSys-3301 is an excellent computer for harsh environments in extremely hot and cold remote locations.

Features

- 800MHz Vortex86DX2 CPU, 16GB mSATA SSD, 1GB soldered DDR2
- Operating temperature: -40°C to 85°C
- I/O interfaces:
 - 1x Fast Ethernet port and 1x gigabit Ethernet port
 - 2x USB 2x ports, dual RS232/485 ports
 - Separate keyboard, mouse and VGA ports
- Power and reset switch with power LED
- Active cooling fan
- Retractable feet for table mount
- Windows® and Linux® operating system supported
- Optional Intel® Atom® and Core® I CPU on request

Benefits

- Operates over a wide temperature range
- Compact design for space-constrained applications
- DIN Rail or wall-mount option allows maximum flexibility
- Reduced power consumption
- Low heat dissipation

Applications and Related Products

The DatSys-3301 is suitable for use in a wide range of light rugged industrial applications including

- Power grid equipment
- Facilities management
- Building automation systems
- Traffic management
- Security and surveillance

- Small form factor chassis systems for a wide range of applications and environments
- Custom chassis designs to meet most usage requirements across a range of applications.
- A wide range of industrial displays for any environment
- Custom and off the shelf I/O cards supporting a variety of I/O recipes

SFF



Specifications

Environmental

Temperature:
-40°C to 85°C operational (SBC rated at -40°C to +85°C)
-40°C to +85°C storage
Humidity: 10% to 90% (non-condensing)
Shock: Non-operating: 50G peak to peak, 11ms duration, MIL-STD-202G Method 213B
Vibration: Operating: 11.95 Grms, 50-2000 Hz, each axis, MIL-STD-202G Method 214A
Ingress Protection: IP40 rated
Designed to meet FCC, UL and CE standards

Physical

Dimensions: 97mm H (incl. feet) x 154mm W x 245mm D
(3.1" H x 6.07" W x 9.64" D)
Table mount
Estimated weight: 3.5lbs (1.6kgs)
Sturdy extruded aluminum chassis
Cooling: 60mm X 60mm X 25mm 44.5CFM Fan
RJ45, USB, DB-9 connectors

I/O Connections

1x 10/100 Ethernet
1x 10/100/1000 Ethernet
2x USB 2.0 ports
2x RS232/485 ports
Separate keyboard, mouse and VGA ports

Power

9 – 36 VDC input voltage
60 W power supply
15 W power consumption

Order Information

Model number: DA-33E-01

Please contact sales for specific model configurations. For sales in the Americas, please call +1(510) 656-3400 or e-mail sales@elma.com.

For a complete list of international sales contacts, please visit our [Global Contacts](#) page.

All other trademarks are registered to their particular entities

China: +86 21 5866 5908
France: +33 437 06 21 10

Germany: +49 7231 97 34 0
Israel: +972 3 930 50 25

Singapore: +65 6479 8552
Switzerland: +41 44 933 41 11

United Kingdom: +44 1234 838 822
United States: +1 510 656 3400

For other countries, please visit our website.