



Ruffneck Zone 1

ATEX, Explosion Proof Computer - No Purge Required

Features

- Explosion-proof, Zone 1, ATEX (pending)
- Sunlight readable 15" TFT color display
- Intel® Pentium M processor
- Extended temperature range -40° C
- 2 GB DDRAM
- Wireless Ethernet
- Impact-resistant, projected capacitive touchscreen
- Front panel LED status indicator

The Ruffneck Zone 1, an explosion-proof, sunlight-readable flat panel computer approved for ATEX Zone 1 applications, can be utilized in virtually any environment. It includes an elaborate thermal management system with heaters to allow operational temperature ranges down to -40° C. The NEMA 4 environmentally sealed enclosure with corrosion resistance provides protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and the external formation of ice.

Based on a single board computer with an Intel® Pentium® M 1.6 GHz processor, the Ruffneck Zone 1 can be configured with up to 2 GB DDRAM and 40 GB hard drive, CompactFlash optional. The unit offers two (2) network options including wireless Ethernet, and features a watchdog timer and software dimming.

To provide sunlight readability with minimal temperature rise, the 15" AMTFT LCD utilizes passive enhancements. Viewing enhancement filters are included to reduce sunlight loading. For reliable operation in environments where bare and/or gloved hands interface with the unit, an impact-resistant, projected capacitive touchscreen protected with an anti-scratch/anti-glare coating on polycarbonate is standard.

In addition to meeting the certification needs of customers in the HAZLOC environment, the Ruffneck Zone 1 reduces ongoing maintenance time and costs by not requiring a purge device to achieve Zone 1 certifications.

Ruffneck Zone 1 ATEX, Explosion Proof Computer

Specifications

Display

- 15" 1024x768 256k color AMTFT, sunlight readable

Viewing area

- 12" x 9" (WxH), 15" diagonal
305 mm x 229 mm

Touchscreen

- Projected capacitive

CPU

- Pentium M 1.6 GHz processor

Memory

- Up to 2 GB DDRAM

Drives

- 40G hard drive (minimum)

Environmental

- Thermal management heaters for -40° C operation

Power

- 90 - 260 VAC auto-ranging, 47 - 63 Hz

Shock

- 40G pulse

Vibration

- 28G peak, random

Mount

- VESA

Temperature

- Operating: -40° to +60° C (no solar loading; +50°C in direct sunlight)
- Storage: -50° to +70° C

O/S compatible

- Windows XP

Weight

- 45 lbs. without yoke

Compliance

- Class 1, Zone1, ATEX Zone 1 (without purge), EExd IIC T4; CE; CSA (pending)

Dimensions (WxHxD)

- 16.5" x 15.13" x 4.75"
419.1 mm x 384.3 mm x 120.6 mm

Options

Mount

- Yoke

Ethernet

- 802.11 b/g wireless
- Fiber optic 10/100BaseT

Drive

- CompactFlash
- Solid State hard drive

About Computer Dynamics

Computer Dynamics (A GE Fanuc Company) is a leading global provider of flat panel display solutions for a wide range of industries and applications. Our comprehensive product offering includes open-frame, enclosed, and environmentally sealed flat panel display systems in both computer and monitor configurations. The company is headquartered in the U.S. and is a part of GE Fanuc Embedded Systems. Whether you're looking for one of our standard products or a fully custom solution, Computer Dynamics has the breadth, experience and 24/7 support to deliver what you need. For more information, visit www.codynamics.com.

Computer Dynamics Information Centers

Americas:
1 864 627 8800

Asia Pacific:
86 10 6561 1561

Europe, Middle East and Africa:
33 1 4324 6007

Additional Resources

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