



DDR-300

Ruggedized Portable Digital Data Recorder

Features

- Rugged, compact MIL-STD 810 portable
- 32- or 64-channels data recording
- Signal Conditioning Options: Charge, ICP, Voltage, Filter, RMS, F to V, IRIG, third party
- Fan-cooled for wide temperature operation
- 15 inch XGA TFT LCD display
- 2.9 GHz Intel® Pentium® Microprocessor
- Integrated keyboard and touchpad
- 1xRS232 and 1xUSB 2.0 ports
- Optional RAID storage
- Optional IRIG time card

DDR-300 Portable Digital Data Recorder from GE Intelligent Platforms Technology provides flexible data recording and signal analysis in a ruggedized enclosure. The DDR-300 is designed for the demanding needs of data acquisition and recording the must be conducted in the harsh environments of on-site testing, in-vehicle use and on-board aircraft testing. The DDR-300 provides a cost effective solution in a compact package for rugged application use in fixed and tracked ground vehicles, or rotary and fixed-winged aircraft.

This powerful, rugged portable workstation provides expansion slots for 2 full-size and 2 half-length PCI cards, DC combination power supply and a magnesium chassis. The DDR-300 is built to military standards for shock, vibration and temperature

extremes. With several flexible options, including a UPS battery, removable hard disk, RAID and rack-mounting - the DDR300 delivers the reliability and dependability demanded by our customers.

The DDR-300 offers customers flexible digital data acquisition options including: 32 or 64 differential input channels, onboard programmable anti-aliasing and gain, 16 or 24-Bit sigma-delta ADCs, simultaneous sampling at rates of up to 108 kHz/channel, and over 90 dB signal-to-noise ratio, including harmonics. Data storage options include a 1 TB hard drive or 2-1 TB hard drives with RAID options.

The DDR-300 includes GE Fanuc's easy-to-use Microsoft Windows-based powerful DaqHunter signal analysis software for turnkey field operation.



DDR-300 Ruggedized Portable Digital Data Recorder

Specifications

- 2 GHz Intel® Core™ 2 Duo processor
- 2 GB DR533 RAM System Memory
- 114 key sealed keyboard
- Hula Point system
- 4 - 500 GB SATA 7200 RPM hard drives
- On-board RAID array controller
- Integral 15" XGA TFT LCD display with polycarbonate protective shield
- 2 - built-in speakers
- Read/Write CD/DVD drive
- 2xPCI full-length, 2xPCI half-length card slots
- Up to 32 or 64 data channels
- Signal Conditioning Options: Charge, ICP, Voltage, Filter, RMS, F to V, IRIG, third party
- ADC Options:
 - ICS610, 32-channel Sigma Delta ADC, 24-Bit (108 KSPS: ADC per channel)
 - ICS645 32-channel Sigma Delta ADC 16-Bit (2.5MSPS, ADC per channel)
- Optional IRIG time card
- Connectivity: 1 external CRT, 1xRS232C, 1xRJ-45, 1xUSB 2.0 ports
- Shock: MIL-STD-810, 10g 11ms
- Vibration: IB C 68-2-6: 3 to 500 Hz 0.41g
- EMI & Safety: CE Class A FCC Class A
- Humidity: 20-93% Non-condensing
- Power supply: Internal 18/36 VDC, 300 Watts
- Additional internal power supply: 12 VDC, 2 Amps
- Rugged aluminum chassis
- Soft carry-bag
- Microsoft Windows XP Professional
- Integrated stereo speakers
- Dimensions: 15.79x11.07x7.89 inches
- Weight: Less than 25 Lbs
- Operating Temperature: 0° to 50° C

Data Acquisition

Recording Speed

- 50MB/sec, streaming to disk drives

Number of Channels	Sample Rate/CH
16	1.6Msa/sec
32	800Ksa/sec
64	400Ksa/sec

- 160MB/sec, transient recording to system memory

16	5.0Msa/sec
32	2.5Msa/sec
64	1.25Msa/sec

Recording Time

- Streaming to disk drives

- 50MB/sec

Storage Capacity	Recording Time
260GB	87 min
2.5TB	13.8 hours

- Transient recording to system memory
- 160MB/sec (requires memory management software)

1GB	6.0 sec
8GB	51.0 sec
12GB	77.0 sec

Ordering Information

DDR-300

Operating Systems

Microsoft Windows XP Professional

For detailed information and further options, contact GE Fanuc Embedded Systems.

About GE Fanuc Intelligent Platforms

GE Fanuc Intelligent Platforms is a leading global provider of embedded computing solutions for a wide range of industries and applications. Our comprehensive product offering includes many types of I/O, single board computers, high performance signal processors, fully integrated, rugged systems including flat panel displays, plus high speed networking and communications products. The company is headquartered in the U.S. and has design, manufacturing and support offices throughout the world. Whether you're looking for one of our standard products or a fully custom solution, GE Fanuc Intelligent Platforms has the breadth, experience and 24/7 support to deliver what you need. For more information, visit www.gefanuc.com.

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Additional Resources

For more information, please visit the GE Fanuc Intelligent Platforms web site at:

www.gefanuc.com

www.gefanuctestandmeasurement.com

