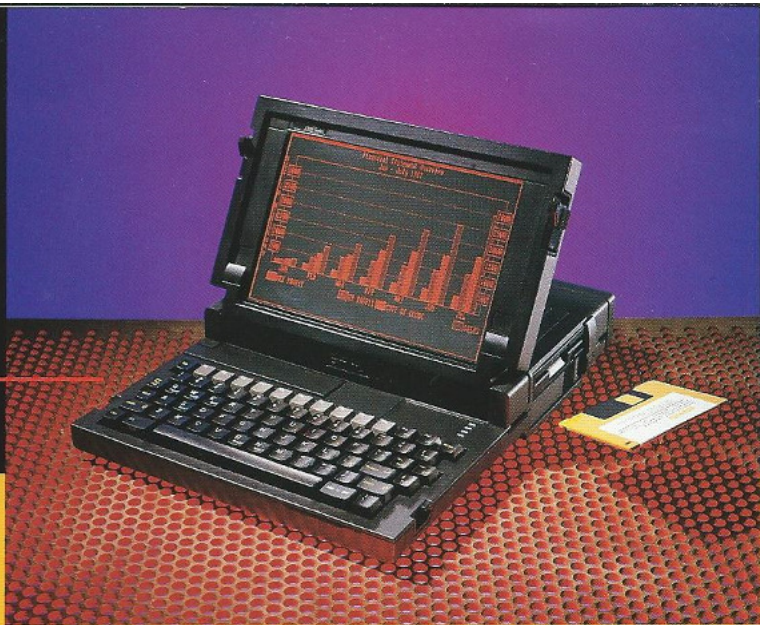


# GRiDCase 1500 Series™

286/386 Models



*The Laptop That Expands  
As Your Applications Grow*

*A Powerful Battery-Powered  
Laptop: Lightest AT-Compatible  
Available*

*A Complete Solution  
With Complete Support*

Equip your field professionals who work in and out of the office (salespeople, service technicians, supervisors, auditors, engineers, consultants, etc.) with GRiDCase 1500 Series computers. These powerful systems, designed to meet today's needs, can be extensively configured and expanded as your applications grow and evolve. You get uncompromised functionality and compatibility in a truly portable computer. These AT-compatible laptops provide the perfect platform for upgrading processors and supporting MS-DOS/EMS or next-generation operating systems (e.g., OS/2) and applications software. GRiD, with superb design and engineering, uses quality components and magnesium cases to build durable portables that will insure a long asset life for your investment.

Equipped with either 80C286 or 80C386 processors, these portables give you fast response, exceptional processing power and true portability. You'll get unsurpassed performance for processor intensive applications such as managing large account databases or running diagnostic applications using artificial intelligence. The GRiDCase 1500 Series boasts the only battery-powered 286 and 386 laptop portables on the market. And these rugged, compatible portables weigh just 12 pounds. With easily added, snap-in expansion cartridges for host computer communications, graphics and other capabilities, GRiDCase 1500 Series portables can be smoothly integrated into your field applications and existing office networks.

You're not just buying hardware when you get a GRiDCase 1500 Series computer. You also get GRiD's experience in planning, piloting and implementing your applications, and help in customizing software to fit your needs. With GRiD's training, support and service programs, acceptance of this new tool and increased productivity of your field professionals is assured.

GRiD is the company with the ideas, products and experience to successfully install and support field computer systems. And GRiD's entire family of products is American-made.

To find out more about the GRiDCase 1500 Series—and other GRiD products including GRiDLite Plus and EXP computers, GRiD software and the Field Mail electronic mail system—call us at **800-222-GRiD**, or contact the GRiD sales office nearest you.

**GRiD™**  
*First in Field Systems*



# TECHNICAL SPECIFICATIONS

## *Physical Characteristics*

- Rugged Magnesium Case
- Weight: 11.5–12.5 pounds (5.1–5.6 kg), depending on storage configuration
- Height: 2.3 inches (5.8 cm)
- Width: 11.5 inches (29 cm)
- Length: 15.0 inches (38 cm)

## *Microprocessors*

- Model 1520: 10MHz 80C286 16-bit main processor  
80287 arithmetic co-processor (optional)
- Model 1530: 12.5MHz 80386 32-bit main processor  
80387 arithmetic co-processor (optional)

## *System RAM*

- 1MB Standard
- 2MB, 4MB or 8MB optional
- EMS or AT-Extended compatible

## *User-Installable ROMs*

- 2 ROM slots, Up to 512 Kb capacity

## *Display*

- 10" diagonal 640×400 transfective backlit LCD
- 9.4" diagonal 640×200 gas plasma (optional)
- 10" diagonal 640×400 gas plasma (optional)
- Gray scaling
- User selectable color mapping

## *Disk Storage*

- Two, high-density, 3.5" diskette drives standard (supports 1.4 MB or 720 Kb diskettes)
- One 1.4MB 3.5" disk drive and one 10MB, 78ms hard disk (optional)
- One 1.4 MB 3.5" disk drive and one 20 MB, 78 ms hard disk (opt.)
- One 40MB 29ms hard disk (optional)

## *Interfaces*

- RGB video port (CGA compatible)
- 25 pin external floppy port
- 9 pin RS232-C serial port
- 25 pin parallel printer port
- Keypad port for external IBM-AT keyboard or 10-key numeric keypad
- Expansion bus for external expansion chassis or internal Expansion Cartridges

## *Keyboard*

- 72 keys: IBM PC-AT compatible
- 12 function keys: Embedded numeric keypad
- Standard typewriter size and style
- International keyboard support

## *Internal Modems (optional)*

- 2400/1200/300 bps or 1200/300 bps
- Hayes Smartmodem compatible
- Bell and CCITT (V.22 Bis) compatible
- Auto-dial, auto-answer
- Software selectable options

## *Power Sources*

- Internal/External 35W AC power supply, 110–240V
- Internal NiCad rechargeable removable battery pack (optional)
- External Nicad rechargeable battery pack (optional)
- Auto/Boat power adapter (optional)

## *Environmental Range*

- Temperature: 5C to 35C Operating  
– 20C to 65C non-Operating
- Humidity: 20% to 80% Operating  
5% to 95% non-Operating
- Shock: 5G's Operating  
80G's non-Operating
- Vibration: 3–200Hz @ 1.0G Operating  
3–200Hz @ 1.5G Storage

## *Agency Approvals*

- Safety: UL, CSA, VDE level B (pending)
- Emissions: FCC Class B, VDE Level B (pending)

## *Portable Peripherals*

- 3.5" pocket floppy diskette drive (1.5 pounds, supports 1.4MB or 720K capacity diskettes)
- External 5.25" pouch floppy diskette drive (4 pounds, 360K capacity)
- 40MB pouch tape drive (3.2 pounds)
- Diconix 150 printer

## *Expansion Cartridges*

- 3270 terminal emulator
- VGA external monitor interface
- GRiDLink network interface

## *Software*

- MS-DOS Version 3.2 Extended
- InteGRiD Application Environment
- GRiD Analyticals Tools Software
- GRiD Toolbox Development Software

Call **800-222-GRiD** or contact the GRiD sales office nearest you to learn more about GRiD's Field Automation Solutions.

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