



Hardware



Software



Services



Controller

EC-1000

Easy, Flexible, and Powerful

GridPoint's EC-1000 controller is easy to use, flexible, and powerful. You can readily access controller functionality remotely via web-based GridPoint Energy Manager and locally via a full-color touchscreen. The EC-1000 controller integrates with GridPoint Energy Manager to give you feature-rich control, reporting, and firmware update capability.

The device's multiple communication ports allow for seamless integration into your existing network. Packed with memory, storage, and processing power, GridPoint's EC-1000 controller offers exceptional scalability and fast performance.

Versatile Connectivity

GridPoint's EC-1000 controller has the following ports to support standard communication networks:

- 2 Ethernet
- 2 RS485
- 1 RS232
- 1 USB host
- 1 USB device
- Wireless interface

Convenient Installation

The EC-1000 is a stand-alone controller that can be conveniently installed in a location of your choosing. Its wireless capabilities further simplify installation, lowering your installation cost and time.

Easy Updates

With ample processing power and internal memory for firmware upgrades, you can easily pull down the latest control algorithms and asset interfaces to your devices.

Feature Highlights

- Remote access via web browser
- Local access through a full-color QVGA TFT touchscreen
- Wireless connectivity
- Multiple wired communication ports
- High-speed microprocessor
- Linux OS
- Local data storage



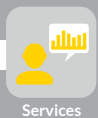
EC-1000



Hardware



Software



Services

EC-1000 Controller - Features and Specifications

| | |
|--------------------------------------|---|
| Platform | <ul style="list-style-type: none"> • ARM926EJ-S processor: 450 MHz • DDR SDRAM: 64 MB • Serial NOR flash: 8 MB • NAND flash: 1 GB • Micro SD card socket • Real-time clock (battery backed) |
| Local interface | <ul style="list-style-type: none"> • Graphical User Interface via web browser • Touchscreen <ul style="list-style-type: none"> - TFT, full-color - 5.7", 320x240 QVGA - Resistive touchscreen • 3 LEDs: <ul style="list-style-type: none"> - Power - Communications - Heartbeat |
| Communications | <ul style="list-style-type: none"> • 1 USB host 1.1 port • 1 USB device 2.0 port • 2 Ethernet ports <ul style="list-style-type: none"> - 10/100 Base-T • 1 RS232 port <ul style="list-style-type: none"> - Over-voltage and over-current protected • 2 RS485 ports <ul style="list-style-type: none"> - 1 full-duplex and 1 half-duplex - Transient protection for asymmetrical data lines to: <ul style="list-style-type: none"> - IEC 61000-4-2 (ESD) - IEC 61000-4-4 (EFT) - IEC 61000-4-5 (lightning) • 1 Wireless interface |
| Operating system | Linux |
| Power supply | <ul style="list-style-type: none"> • Voltage: 24 VAC, 50-60 Hz • Power: 30 VA max • Over-voltage protection • Over-current protection (re-settable fuse) |
| Mechanical | <ul style="list-style-type: none"> • ABS plastic housing • Intended for interior wall mounting |
| Environmental | <ul style="list-style-type: none"> • Operating temperature range: 0°C to 50°C • Relative humidity range (non-condensing): 5 to 95% |
| Certifications and compliance | <ul style="list-style-type: none"> • FCC part 15 Class A • CE • RoHS |
| Dimensions | 8.8" H x 8.0" W x 2.3" D |