

IRONPOWER 600



FOUNDRY'S IRONPOWER 600 IS A COST EFFECTIVE SIX-PORT POWER OVER ETHERNET (POE) MIDSPAN POWER INJECTOR THAT PROVIDES BOTH POWER AND DATA OVER STANDARD ETHERNET CABLING. THE FOUNDRY IRONPOWER 600 CONNECTS TO EXISTING ETHERNET SWITCHES USING STANDARD CATEGORY 5 CABLING FOR DATA CONNECTIVITY. IRONPOWER 600 PROVIDES -48 VDC TO POWER ANY 802.3AF POE COMPLIANT DEVICE TO ALLOW IT TO OPERATE WITHOUT A DEDICATED LOCAL POWER SOURCE. IRONPOWER 600 POWER INJECTORS CAN SUPPLY POWER TO ALL FOUNDRY IRONPOINT 200 ACCESS POINTS AS WELL AS OTHER 802.3AF POE DEVICES SUCH AS NETWORK CAMERAS AND IP PHONES.

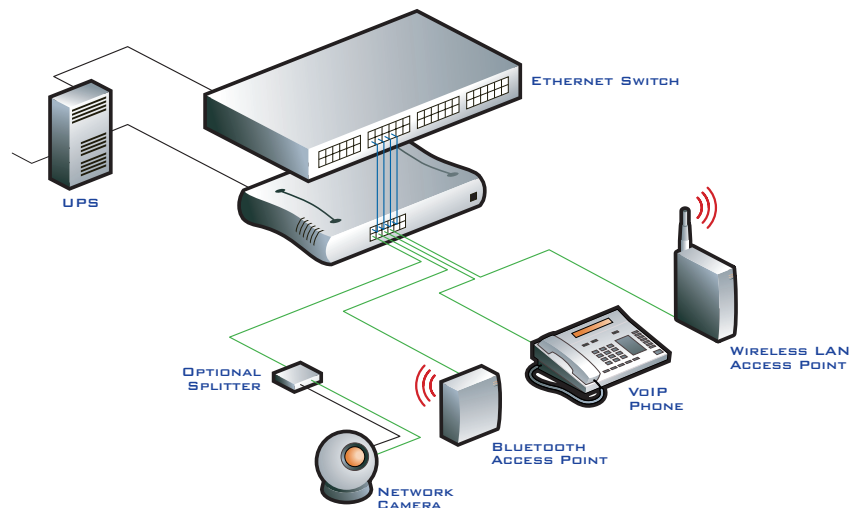
SIX PORT POWER INJECTOR

The IronPower 600 power injector is extremely easy to use. Simply attach the PoE devices, connect IronPower 600 to the network switch, and turn it on. All connections are located on the front of the unit for fast and easy access with dual-colored LEDs for monitoring the operation of each port. By centralizing power distribution in existing data closets, existing Uninterruptible Power Supply (UPS) systems and power conditioning systems can be leveraged to provide clean continuous power to all PoE devices connected to the IronPower 600.

IronPower 600 power injectors are fully IEEE 802.3af compliant. It conforms to the 802.3 Ethernet standards when no inline power is supplied and complies with IEEE 802.3af using DTE Power via

Media Dependent Interface (MDI) when power is supplied. The IronPower 600 uses existing Ethernet standards to transmit data over Ethernet pairs 1/2 and 3/6 to provide maximum compatibility to ensure reliable connectivity. Power is supplied through the unused Ethernet pairs 4/5 and 7/8 conforming to the 802.3af standards for midspan Power over Ethernet.

The IronPower 600's advanced auto-sensing algorithm allows it to automatically detect 802.3af compliant devices for Power over Ethernet operation. IronPower 600 also supports the normal operation of legacy devices, such as ordinary Network Interface Cards (NICs) that do not expect power on their Ethernet connections.



BENEFITS

- ▶ *Cost effective installation without expensive electrician installation costs*
- ▶ *Affordable powering solution for lower density installations*
- ▶ *Grows with business requirements—up to six 802.3af PoE devices per IronPower 600*
- ▶ *Automatic detection and protection of legacy and non-powered Ethernet terminals*
- ▶ *Eliminates the need for bulky AC adapter, power cord and local Uninterruptible Power Supply (UPS)*
- ▶ *Powers devices up to 100 meters using standard Category 5 cabling*
- ▶ *Identification of faulty powered devices and safe shut down to protect the infrastructure and device*
- ▶ *UPS power backup of the Foundry IronPower 600 in the data closet guarantees continuous operation of the WLAN APs and other Power over Ethernet devices.*
- ▶ *Centrally installed in a secure data closet prevents tampering of devices*

FEATURES

- ▶ *Provides cost effective power for a maximum of six 802.3af PoE devices in a small footprint*
- ▶ *Powers all major Wireless LAN and Bluetooth access points, Network Cameras, and IP Phones*
- ▶ *Remote power for scattered topology devices*
- ▶ *Safe powering by automatically detecting 802.3af PoE devices*
- ▶ *Concise LED displays for monitoring each port's operation status. Normal, overload, or short-circuit conditions with separate indicators for main power supply and self-test monitoring.*
- ▶ *Shielded RJ-45 connectors ensures that power distribution does not interfere with network performance*
- ▶ *Continuous monitoring of the powered device, shuts down in event of failure or power problem*
- ▶ *Enhanced power management algorithms provides full power to each port and dynamically manages the total unit power budget*
- ▶ *Backup capability of the powered devices through central UPS system*
- ▶ *Compact size allows for easy rack or shelf installation—19" rack mountable with optional Rack Installation Kit*
- ▶ *Easy and simple installation of Power over Ethernet devices—Plug and Play*
- ▶ *IEEE 802.3af compliant*
- ▶ *Class 1, 2, 3 device support*

Specifications

NUMBER OF PORTS

- 6

DATA RATES

- 10/100 Mbps (802.3 10Base-T/802.3u 100Base-T)

POWER OVER ETHERNET OUTPUT

- Pin Assignment and Polarity: 4/5 (+V), 7/8 (-V)
- Output Power/Voltage: -48VDC
- User Port Power: 15.4 W minimum (Power Management)
- Aggregate Power: 92 W

INPUT POWER REQUIREMENTS

- AC Input Voltage: 90 to 264VAC
- AC Frequency: 47 to 63 Hz
- AC Input Current: 1.7 A at 115VAC, 0.75 A at 230VAC

DIMENSIONS

- 1.73" (H) x 11.06" (W) x 11.18" (D)
- 44 mm (H) x 281 mm (W) x 284 mm (D)
- Weight: 2.4 lbs (1.1 kg)

FRONT PANEL INDICATORS

- System Indicator: AC Power (Green/orange)
- Port Indicator: Channel Power Active (Green/orange)

CONNECTORS

- Shielded RJ-45, EIA 568A and 568B
- Aux. Female (Reserved for factory use)

ENVIRONMENTAL CONDITIONS

- Operating Ambient Temperature: 32 to 104°F (0 to 40°C)
- Operating Humidity: Maximum 90%, non-condensing
- Operating Altitude: -1000 to 10,000 ft. (-304.8 to 304.8 m)
- Storage Temperature: -4 to 167 °F (-20 to 75°C)
- Storage Humidity: Maximum 95%, non-condensing

MEAN TIME BEFORE FAILURE

- 133,211 hours @ 25°C Ambient
- 69,033 hours @ 40°C Ambient

REGULATORY COUNTRY COMPLIANCE

- USA, Canada, EU, Japan, Australia, New Zealand

ELECTROMAGNETIC EMISSION AND IMMUNITY

- FCC Part 15, Class B
- EN55022 Class B (Emissions)
- EN55024 (Immunity)

SAFETY APPROVALS

- UL/cUL Per EN 60950
- GS EN 60950

Warranty

One year hardware warranty

Ordering Information

PART NUMBER	DESCRIPTION
FIP-600	Foundry IronPower 600—Six Port Power Injector
70091-000	Foundry IronPower 600 19" Rack Installation Kit (optional)

Specifications subject to change without notice.

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