

# PD-6500G Family

## Multi-port 802.3af Compliant Midspan Family With Network Management System

### Summary

Microchip's PD-6500G family sets a new standard for highly secure, intelligent, remotely-managed and safe-to-use PoE. Microchip's 6500G family includes 12 and 24-port models, making an even wider range of flexible Power over Ethernet installations possible. The PD-6500G family provides up to 15.4W of power over Ethernet to IP telephones, wireless LAN access points, security network cameras and many other types of data terminals over standard Ethernet data cables, leaving network infrastructure completely unaltered.

With the midspan's Plug-and-Play installation, they are easily and cost effectively implemented leveraging an existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

### PD-6500G Features

- Safe and reliable power over existing Ethernet infrastructure
- Powerview Pro remote, web-based SNMPv3 power management environment
- Legacy PoE support
- IEEE802.3af compliant
- Plug-and-play installation



### Specifications

| Feature                               | Description                                                                                                                                                                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of Ports                       | 12/24                                                                                                                                                                                                                                                                                |
| Data Rate                             | 10/100/1000 Mbps                                                                                                                                                                                                                                                                     |
| Input Power Requirement               | AC Input Voltage: 100 to 240 Vac<br>AC Input Current:<br>12 port unit - 4A @ 100Vac; 2A @ 240 Vac<br>24 port unit - 5.5A @ 100Vac; 2.75A @ 240 Vac<br>AC Frequency: 50/60 Hz                                                                                                         |
| Output Power                          | User Port Power: 15.4 Watts                                                                                                                                                                                                                                                          |
| Power over Ethernet Output            | 4/5 (+), 7/8 (-) Nominal Output Voltage: 52 VDC                                                                                                                                                                                                                                      |
| Dimensions                            | L x W x H<br>438 mm x 272 mm x 44 mm<br>17.3 in. x 10.8 in. x 1.75 in                                                                                                                                                                                                                |
| Net Weight                            | 12-port unit - 4.7 kg (10.4 lb)<br>24-port unit - 5 kg (11 lb)                                                                                                                                                                                                                       |
| Connectors                            | Shielded RJ-45, EIA 568A and 568B                                                                                                                                                                                                                                                    |
| Indicators                            | System Indicator: AC Power - Green<br>User Indicator: Channel Power - Green                                                                                                                                                                                                          |
| Management                            | PowerView Pro included                                                                                                                                                                                                                                                               |
| Environmental Conditions              | Operating Ambient Temperature: 32°F to 104°F<br>(0°C to +40°C)<br>Operating Humidity: Maximum 90%, Non-Condensing<br>Storage Temperature: -4°F to +158°F (-20°C to +70°C)<br>Storage Humidity: Maximum 95%, Non-condensing<br>Operating Altitude -1000 to 10,000ft (-304.8 to 3048m) |
| Hazardous Substances                  | CE, WEEE                                                                                                                                                                                                                                                                             |
| Warranty                              | 3 years                                                                                                                                                                                                                                                                              |
| Extended Warranty Available           | Contact Microchip                                                                                                                                                                                                                                                                    |
| Reliability                           | MTBF: 100,000 hrs @ 25°C                                                                                                                                                                                                                                                             |
| Thermal Rating                        | 170 BTU/Hr (12 Port)<br>320 BTU/Hr (24 Port)                                                                                                                                                                                                                                         |
| Regulatory Compliance                 | IEEE 802.3af                                                                                                                                                                                                                                                                         |
| Electromagnetic Emission and Immunity | FCC Part 15, Class B<br>EN 55032 Class B<br>EN 55024<br>VCCI                                                                                                                                                                                                                         |
| Safety                                | UL/IEC/EN 62368-1<br>Please contact Microchip for a complete list of certifications                                                                                                                                                                                                  |

## Technical Support

For technical support please visit the Microchip Technical Support Portal [www.microchip.com/support](http://www.microchip.com/support).

## Management Software

PowerView Pro software is available on [Microchip's Software Library](#).

## Ordering Information

| Part Number                                                                                                                                                                                                                                             | Name     | Ports                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------|
| <b>PD-6512G/AC/M</b><br>PD-6512G/AC/M-AU Australia Power Cord<br>PD-6512G/AC/M-EU European Union Power Cord<br>PD-6512G/AC/M-JP Japan Power Cord<br>PD-6512G/AC/M-UK United Kingdom Power Cord<br>PD-6512G/AC/M-US United States Power Cord             | PD-6512G | 12-port, 400W total power |
| <b>PD-6524G/AC/M/F</b><br>PD-6524G/AC/M/F-AU Australia Power Cord<br>PD-6524G/AC/M/F-EU European Union Power Cord<br>PD-6524G/AC/M/F-JP Japan Power Cord<br>PD-6524G/AC/M/F-UK United Kingdom Power Cord<br>PD-6524G/AC/M/F-US United States Power Cord | PD-6524G | 24-port, 400W total power |

Contact Microchip for other options

## About Microchip mPoE



Microchip multi-Power over Ethernet (mPoE) is a technology that powers any wired network device seamlessly and efficiently, making it the ideal solution for Ethernet-based applications. Leveraging a uniquely designed algorithm, this technology solves interoperability issues between different PoE standards and legacy solutions to provide an international network power standard. As a pioneer in PoE technology, we offer a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches).