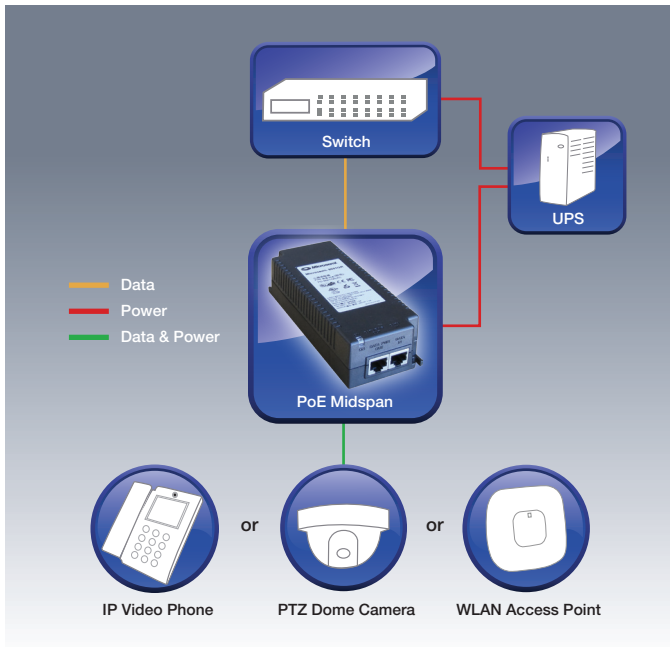


PD-9501GR Midspan

Single-port, 60W Gigabit Midspan, 4-Pairs, 802.3at Compliant



Overview

Microsemi's PD-9501GR is a single port solution for remote powering of current as well as emerging high power applications. The PD-9501GR is designed specifically to power IEEE 802.11n and IEEE 802.3at access points, pan-tilt-zoom (PTZ) and dome cameras, IP videophones, thin clients and other high power Ethernet end terminals with 60W of power, and is also backward compatible and safe to use with any IEEE 802.3af terminal such as VoIP phones, IP cameras and wireless LAN access points. It can power both existing 10/100Base-T devices and emerging wireless Gigabit devices such as Wi-MAX and wireless IEEE 802.11n access points. The PD-9501GR provides power on all 4-pairs while being backwards compatible to 802.3af and 802.3at powered devices.

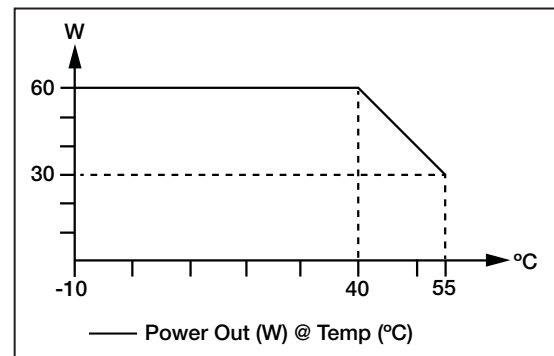
PD-9501GR Features

- IEEE 802.3at compliant with 2-event classification
- IEEE 802.3af backward compatible
- Output power of 60W over 4-pairs is guaranteed
- Supports 10/100/1000Base-T applications
- Plug-and-play installation
- Safe: low power devices receive only the power they need
- Automatic detection and protection of non-standard Ethernet terminals
- Compact design fits easily in WLAN access point and IP camera installations

PD-9501GR Specifications

No. of Ports	1
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: Data Pairs 1/2 (-) and 3/6 (+) Spare Pairs 7/8 (-) and 4/5 (+) Output Power Voltage: 55 VDC User Port Power: 60W over 4-pairs (Guaranteed)
Input Power Requirements	AC Input Voltage: 100 to 240 VAC AC Input Current: 1.5A @100-240 VAC AC Frequency: 50 to 60 Hz
Dimensions	62 mm (W) x 38 mm (H) x 151 mm (L) 2.44 in. x 1.5 in. x 5.94 in
Weight	Bare unit: .71 lbs (320g)
Indicators	AC Power: Yellow Channel Power Indicator: Green
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 14° to 104°F (-10°C to 40°C) @60W 14° to 131°F (-10°C to 55°C) @30W Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -4° to 158°F (-20° to 70°C) Storage Humidity: Maximum 95%, Non-condensing
Reliability	MTBF: 240,000 hrs. @25°C
Thermal Rating	30 BTU/Hr (@100Vac)
Warranty	1-year
Regulatory	IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per EN 60950-1 GS Mark Per EN 60950-1

Performance Data



Ordering Information

Part Number	Name	Description
PD-9501GR	Microsemi PD-9501GR	1-port, IEEE 802.3at 4-Pairs, Gigabit Midspan



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Microsemi Corporation (Nasdaq: MSCC) offers a comprehensive portfolio of semiconductor and system solutions for communications, defense & security, aerospace and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; security technologies and scalable anti-tamper products; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, Calif., and has approximately 3,400 employees globally. Learn more at www.microsemi.com.

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MSC-PD-9501GR 5.14

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REV	ECO #	DESCRIPTION	DATE	APPROVED
A02	E-14990	Add C-TICK logo	07.10.14	RONEN D.
A03	E-15315	Update label size to 39x75mm	23.12.14	IDO J.
A04	E-15315	ADD CCC & 2000m LOGOS	05.01.15	RONEN D.

NOTE:

- MATERIAL: LABEL 39.0X75.0mm POLYCARBONATE.
- COLOR: TEXT - WHITE;
BACKGROUND - BLACK;
LOGO - WHITE.
- LABEL MUST BE UL RECOGNIZED.



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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.		NAME	SIGNATURE	DATE
DO NOT SCALE DRAWING	DRAWN	SAMI S		18.02.14
LINEAR ± - MM	DESIGN	YANAI Y.		
HOLE DIA. + - MM	CHEKED	IDO J.		
ANGULAR ± - °	PROJECT	YANAI Y.		
DRAFTANGLE/SIDE - °Max.	MANGR			
BURR & FLASH - Max.				
BREAK SHARP CORNERS & SHARP EDGES		SCALE 1.5:1	SHEET 1 OF 1	A4



TITLE
1 Port AT 9501GR
Label, Regulatory

PART No. QS-6230-01N	DWG.REV. 00 PART.REV. A04
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REV	ECO #	DESCRIPTION	DATE	APPROVED
A04	E-15315	ADD CCC & 2000m LOGOS	05.01.15	RONEN D.
A05	E-17330	ADD "电源供应器/직류전원장치", ADDRESS, PATENT, MFR, CHANGE "RCM", ADD "IRAM", "EAC"	05.12.16	RONEN D.

NOTE:

- 1. MATERIAL: LABEL 39.0X75.0mm POLYCARBONATE.
- 2. COLOR: TEXT - WHITE;
BACKGROUND - BLACK;
LOGO - WHITE.
- 3. LABEL MUST BE UL RECOGNIZED.

R1.5

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39.0

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.

DO NOT SCALE DRAWING

LINEAR ± - MM
HOLE DIA. + - MM
ANGULAR ± - °
DRAFT ANGLE/SIDE - °Max.
BURR & FLASH - Max.

BREAK SHARP CORNERS & SHARP EDGES

	NAME	SIGNATURE	DATE
DRAWN	SAMI S		18.02.14
DESIGN	YANAI Y.		
CHECKED	IDO J.		
PROJECT MANAGER	YANAI Y.		

	SCALE 2:1	SHEET 1 OF 1	A4
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TITLE 1 Port AT 9501GR Label, Regulatory	
PART No. QS-6230-01N	DWG.REV. 01 PART.REV. A05

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REV	ECO #	DESCRIPTION	DATE	APPROVED
A05	E-17330	ADD "电源供应器/직류전원장치", ADDRESS, PATENT, MFR, CHANGE "RCM", ADD "IRAM", "EAC"	05.12.16	RONEN D.
A05	E-17337	ADD "UKR" SIGN, UPDATE "UL_US"	11.05.17	RONEN D.

NOTE:

- 1. MATERIAL: LABEL 39.0X75.0mm POLYCARBONATE.
- 2. COLOR: TEXT - WHITE; BACKGROUND - BLACK; LOGO - WHITE.
- 3. LABEL MUST BE UL RECOGNIZED.

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM.		NAME	SIGNATURE	DATE	
DO NOT SCALE DRAWING		DRAWN SAMI S		18.02.14	
LINEAR	± - MM	DESIGN YANAI Y.			TITLE 1 Port AT 9501GR Label, Regulatory
HOLE DIA.	+ - MM	CHECKED IDO J.			
ANGULAR	± - °	PROJECT MANAGER YANAI Y.			
DRAFT ANGLE/SIDE BURR & FLASH	- °Max. - Max.				PART No. QS-6230-01N
BREAK SHARP CORNERS & SHARP EDGES		SCALE 2:1	SHEET 1 OF 1	A4	DWG.REV. 00 PART.REV. A06

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