

18-Port Unmanaged PoE Switch

A powerful Unmanaged PoE Switch, providing added security and greater flexibility for network deployment.

DES-1018MPV2

Flexible Connection

- 16 10/100Mbps PoE ports
- 2 Gigabit Combo ports for different switch fabric

Easy Setup

- Plug-and-play installation
- Auto MDI/MDIX crossover for all ports

Adequate PoE Power Budget

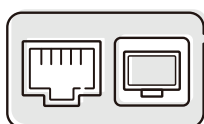
- Supports IEEE 802.3af/at standard
- Each port supports up to 30 watts, with a total PoE budget of 247 watts

Long-Reach Connectivity

- Reach up to 250 m longer distances
- Limited to 10 Mbps speed on port 1-8

Security Port Isolation

- Effective method for uplink connection
- Constraint communication between port 1-16 and uplink ports



Combo Ports

2 x Gigabit Combo ports for hardware flexibility



Plug-and-Play

Seamless Setup



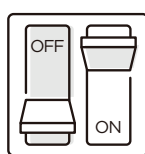
PoE Capable

Up to 247 W PoE output



Extended Mode

250 m long reach connectivity



DIP Switch

Enable or Disable Isolation and Extended Modes



Isolation Mode

Prohibit port-to-port communication

Model	DES-1018MPV2
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Product Image



General

Interfaces	16 x 10 / 100 Mbps PoE ports 2 x 10 / 100 / 1000BASE-T / SFP combo ports
Standards	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3z IEEE 802.3x Flow Control
LED	Per unit: Power Per port: Activity / Link and Speed Per PoE port: Power fail, Power OK

Functionality

Switching Capacity	7.2 Gbps
Transmission Method	Store-and-Forward
MAC Address Table	16K
Packet Buffer	512 KB
Maximum Forwarding Rate	5.35 Mpps
PoE Standard	IEEE 802.3af/at
PoE Power Budget	247 watts
PoE Ports	Ports 1~16 up to 30 W per port

Physical

Dimensions	11" x 8.3" x 1.7" (280 mm x 230 mm x 44 mm)
Weight	2 kg (4.41 lbs)
Power	Internal AC input: 100 ~ 240 VAC, 50~60 Hz
Power Consumption	Maximum Power Consumption: 294.4 watts (PoE on), 9.94 watts (PoE off) Standby Power Consumption: 9.59 W/100 V , 9.72 W / 240 V
Temperature	Operating: 0 to 40 °C (32 to 104 °F) Storage: -40 to 70 °C (-40 to 158 °F)
Humidity	Operating: 0% to 95% RH non-condensing Storage: 0% to 95% RH non-condensing
MTBF	467,815 hours
Heat Dissipation	161.7 BTU/h
Certifications	FCC VCCI CE
Safety	CB UL LVD

DES-1018MPV2	16 x 10/100 Mbps PoE + 2 x 10/100/1000BASE-T/SFP Combo Ports Unmanaged Switch
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Optional SFP Transceivers

DEM-310GT	1000BASE-LX, single-mode, 10 km
DEM-311GT	1000BASE-SX, multi-mode, 550 m
DEM-312GT2	1000BASE-SX, multi-mode, 2 km
DEM-314GT	1000BASE-LHX, single-mode, 50 km
DEM-315GT	1000BASE-ZX, single-mode, 80 km
DEM-330T / R	Gigabit WDM transceiver, single-Mode, 10 km
DEM-331T / R	Gigabit WDM transceiver, single-Mode, 40 km
DGS-712	1000BASE-T copper SFP transceiver