



# AW-FGT-180D-250

16xFE PoE + 2xGE Combo Unmanaged Switch

Extend PoE up to 250 meters at 10 Mbps •  
Surge Protection 6KV

- 16\*10/100Mbps PoE RJ45 Ports
- 2\*10/100/1000Mbps Combo Ports
- IEEE 802.3af/at Compliant
- Supports PoE Power up to 30W for each PoE Port
- 6KV PoE Surge Protection each Port
- 20% Range of Input Voltage Tolerance (280VAC 4hrs, 300VAC 1min)
- Circuit Protection Prevents Power Interference between Ports
- Detects PoE PD (Power Device) Automatically
- ST Mode Reaches PoE Camera up to 100M @ 100Mbps via any PoE Port
- VLAN Mode Isolates each Port to Prevent Broadcast Storm
- EX Mode Reaches PoE Camera up to 250M @ 10Mbps via EX PoE Ports



## Overview

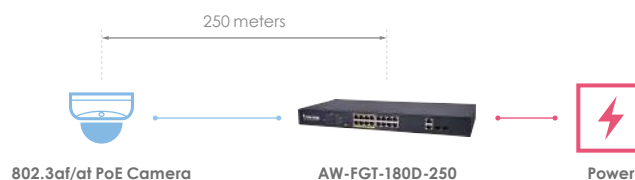
VIVOTEK's AW-FGT-180D-250, equipped with DIP switch provides ST Mode as STandard mode, ST VLAN as STandard VLAN mode, and EX Mode as EXtend mode. Especially designed for IP Surveillance applications, the camera provides standard 802.3af/at PoE functions in ST mode, while EX mode transmits data & power on one single cable up to 250 meters at 10 Mbps via 8 EX ports for long-reach PoE IP cameras. The AW-FGT-180D-250 also adds an extra 20% range of input voltage tolerance (280VAC 4hrs, 300VAC 1min), and lightning surge protection of AC power & PoE surge protection to prevent the damage caused by unstable outside AC power, lightning surges, and power spikes. These unique features reduce costs associated with the replacement of damaged units.

## Application

### • ST Mode



### • EX Mode



### Range Guide

Range Guide	Any Port @ ST Mode	EX Port @ EX Mode
802.3af/at PoE IP Camera	100M @ 100Mbps	250M @ 10Mbps

\*EX Mode: Cat.6 or better UTP/STP cable is highly recommended. Low quality cables will seriously limit the cabling distance.

## Technical Specifications

Model	AW-FGT-180D-250
<b>Networking Specifications</b>	
10/100 Mbps RJ45 PoE Port	16
Gigabit RJ45/SFP Combo Ports	2
EX Mode PoE Ports (250M@10Mbps)	8
VLAN mode	Supported
<b>Ethernet Performance</b>	
Switching Capacity	7.2 Gbps
Mac Table	16 K
Packet Forwarding Rate	5.4 Mpps
Auto-MDI/MDI-X, Auto-Negotiation	Supported
<b>Power Specifications</b>	
Power Input Voltage	AC 100 ~ 240V, 50/60Hz 4A (Max)
Max. PoE Output Power	Per Port 55VDC, Max. 30 W
Total PoE Power Budget	250 W
IEEE 802.3af/at	Supported
Power Pin Assignment	1/2(+), 3/6(-)
PoE PD Auto Detection	Supported
Surge Protection	Contact 6KV, Air 8KV
<b>General</b>	
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operating Humidity	10% to 90% non-condensing
MTBF	>50000 hours
Dimensions	440 (L) x 207 (W) x 44 (H) mm
Weight	2.93 kg
Warranty	24 months
<b>Certifications</b>	
EMC	CE, FCC, VCCI, LVD

## Dimensions

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