





AW-FET-053C-120 AW-FGT-103C-250

Outdoor FE Unmanaged PoE Switch



Extend PoE up to 200M at 10 Mbps • Surge Protection • IP67 • IK10

VIVOTEK's outdoor FE unmanaged PoE switch is a hardengrade IP67/IK10 unit that is equipped with a DIP switch to provide ST STandard and EX EXtend operation modes. The outdoor FE unmanaged PoE switch is specially designed for outdoor IP Surveillance application. Besides standard 802.3af/at PoE functions in ST mode, the EX mode also transmits data & power on one single cable up to 200 meters at 10 Mbps via specific EX PoE ports for long reach PoE IP cameras. VIVOTEK's outdoor FE unmanaged PoE switch also features adding an additional 20% range of input voltage tolerance (280VAC 4hr, 300VAC 1min),

lightning surge protection on AC power & PoE surge protection to prevent damage caused by outside unstable AC power, lightning strikes and power spikes. These unique features help to reduce the costs of replacing damaged units.

VIVOTEK's outdoor FE unmanaged PoE switches have two sub models consisting of 5-port AW-FET-053C-120 and 10-port AW-FGT-103C-250 with a range of power budgets from 120W to 240W for outdoor IP surveillance applications.

Key Features

- \cdot All-in-One device with easy installation
- · Waterproof IP67, Vandal Proof IK10 compliant
- · 15.4W/802.3af & 30W/802.3at compliant
- · 12KV PoE surge protection each port
- · 10KV/40KV AC surge protection
- Extra 20% range of input voltage tolerance (280VAC 4Hr, 300VAC 1min)
- · Circuit protection prevents power interference between ports
- \cdot Detects PoE PD (power device) automatically
- ST mode reaches PoE camera up to 100M @ 100Mbps via any PoE port
- EX mode reaches 802.3at camera up to 200M @ 10Mbps via EX PoE ports

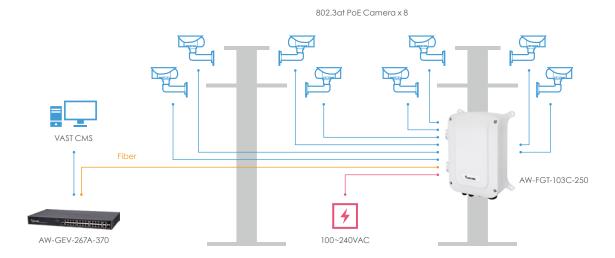


Plug and Play Installation with All in One Device

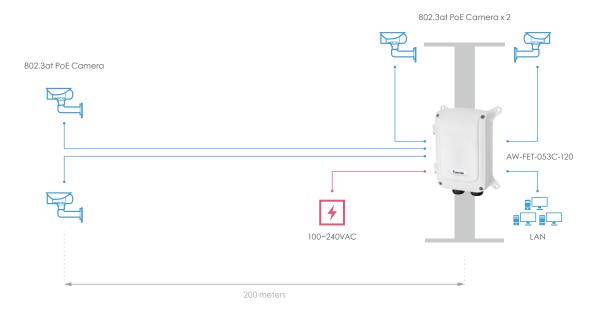


Application

ST Mode



EX Mode



Range Guide	EX Port @ EX Mode	Any Port @ ST Mode
802.3at PoE IP Camera	200M @ 10Mbps	100M @ 100Mbps



Technical Specifications

	Model	AW-FET-053C-120	AW-FGT-103C-250		
Networking Specifications					
10/100 Mbps RJ45 Pet Port	Short Highlight	4xFE PoE + 1xFE UTP	8xFE PoE + 2xGE Combo		
1 1	Networking Specfications				
Gignobit RL45/SFP Combo Ports 2 EX Mode PoE [200M@10Mbps]* 2 EX Mode PoE [200M@10Mbps]* 2 EX Mode PoE [200M@10Mbps]* 3.6 Gbps Switching Bandwidth 1 Gbps 5.6 Gbps Mac Table 2 K 4 K Jumbo Frame 1536 Bytes 4 K Auto-MDI/MDLX, Auto-Negotiation 3upported 3upported Power Specifications 100VAC ~ 240VAC 40W Max. PoE Output Power /Per Port Per Port 54VDC, Max. 30W 240W IEEE 802.30/fart 3upported 240W Power Pin Assignment 1/2(+), 3/6(-) 40W Power Pin Assignment 1/2(+), 3/6(-) 40W Surge Protection/Each PoE port 10 KV 40 KV Surge Protection for AC Power 10 KV 40 KV General Power Pin Auto-Hegotin for AC Power 10 KV 40 KV General Power Fin Auto-Hegotin for AC Power 10 KV 40 KV General Power Fin Auto-Hegotin for AC Power 10 KV 40 KV General 40°C - 60°C (-40°F - 140°F)	10/100 Mbps RJ45 PoE Port	4	8		
Ex Mode Ref (200M@10Mbps)* 2 Ethernel Performance Switching Bondwidth 1 Gbps 5.6 Gbps Mace Table 2 K 4 K Jumbo Frame 1536 Bytes 4 K Auto-MDI/MDLX, Auto-Negoficition Supported 4 K Power Specifications 100VAC ~ 240VAC 4 K Max. PGE Output Power /Per Port Per Perf 54VDC, Max. 30W 4 W IEEE 802.3ad/val 120W 240W IEEE 802.3ad/val Supported 4 W Power Pin Assignment 1/2(*).3/6(·) 4 C Power Pin Assignment 1/2(*).3/6(·) 4 W Surge Protection /Each PoE port 10 KV 40 KV General Waterproof Rating IP67 40 KV General Waterproof Rating IP67 40 C 40 C 40 C 40 C 40 F 80 FE 40 C 40 F 80 FE 40 F 80 FE<	10/100 Mbps RJ45 Port	1	-		
Ethernet Performance Swilching Bandwidth 1 Gbps 5.6 Gbps Mac Table 2 K 4 K Jumbo Frame 1536 Bytes 4 K Auto-MD/MDLX, Auto-Negoliation Supported 5 Upported Power Specifications Power Input Voltage 100VAC ~ 240VAC Max. PoE Output Power /Per Port Per Port 54VDC, Max, 30W 10tal PoE Power Budget 120W 240W 16EE 802,3at/at Supported 9 Upported Power Pin Assignment 1/2(4),3/6(-) 9 Upported Power Pin Assignment 10 KV 40 KV Surge Protection /Eacth PoE port 10 KV 40 KV General Waterproof Rating IP67 Vandal Proof IKI0 Operating Temperature 40°C ~ 40°C (40°F ~ 140°F) Storage Temperature 40°C ~ 85°C (40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 25.2 (W) × 1999 (H) × 90 (D) mm 31.5.4 (W) × 24.5.8 (H) × 118 (D) mm Weight 3.2 KG	Gigabit RJ45/SFP Combo Ports	-	2		
Switching Bandwidth 1 Gbps 5.6 Gbps Mac Table 2 K 4 K Jumbo Frame 1534 Bytes Auto-MDI/MDI-X, Auto-Negotiation Supported Power Specifications Power Specifications Power Input Voltage 100VAC ~ 240VAC Max. PoE Output Power /Per Port 120W 240W Total PoE Power Budget 120W 240W 240W Total PoE Power Budget 12/2(+), 3/6(-) 240W 240W 240W 240W 240W 240W 250 Power Budget 12 KV 340 KV 40 KV 40 KV 40 KV 40 KV 250 Power Budget 12 KV 250 Power Budget 12 KV 340 KV 40 KV 40 KV 40 KV 250 Power Budget 12 KV 250 Power Budget 12 KV 250 Power Budget 12 KV <td cols<="" th=""><th>EX Mode PoE (200M@10Mbps)*</th><td></td><td colspan="2">2</td></td>	<th>EX Mode PoE (200M@10Mbps)*</th> <td></td> <td colspan="2">2</td>	EX Mode PoE (200M@10Mbps)*		2	
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Dumbo Frame 1536 Bytes Auto-MDI/MDI-X, Auto-Negofication Supported Power Specifications 100VAC ~ 240VAC Max. PoE Output Power / Per Port 100VAC ~ 240VAC Max. PoE Output Power / Per Port Per Port 54VDC, Max, 30W Total PoE Power Budget 120W 240W IEEE 802.3af/at Supported Power Pin Assignment 1/2(+), 3/6(-) Per Ported Inc. PoE PD Auto Detection Supported Supported Surge Protection /Each PoE port 10 KV 40 KV General Pre7 40 KV General Pre7 40 KV Waterproof Rating IP67 40 KV Vandal Proof IK10 40 KV Operating Temperature 40°C - 60°C (-40°F - 140°F) 50 Cm Storage Temperature 40°C - 85°C (-40°F - 140°F) 40 Cm Operating Hunidity 5% 95% non-condensing 40 KM Dimensions 255.2 (W) x 1999 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Centifications CE. FC	Switching Bandwidth	1 Gbps	5.6 Gbps		
Power Specifications Supported Power Specifications Power Input Voltage 100VAC - 240VAC Max. PoE Output Power /Per Port Per Port 54VDC, Max. 30W Total PoE Power Budget 120W 240W IEEE 802.3df/at Supported Supported Power Pin Assignment 1/2(+), 3/6(-) Per Port Station (Pack Power) PoE PD Auto Detection Supported Supported Surge Protection /Each PoE port 10 KV 40 KV General Waterproof Rating IPP67 Vandal Proof IKI0 Operating Temperature -40°C - 60°C (-40°F - 140°F) Storage Temperature Operating Humidity 5% - 95% non-condensing Dimensions 255.2 (W) x 1999 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Mac Table	2 K	4 K		
Power Specifications 100VAC ~ 240VAC Max. PoE Output Power /Per Port 100VAC ~ 240VAC Max. PoE Output Power /Per Port Per Port 54VDC, Max. 30W Total PoE Power Budget 120W 240W IEEE 802.3at/at Supported Power Pin Assignment 1/2(+).3/6(-) PoE PD Auto Detection Supported Surge Protection/Each PoE port 12 KV Surge Protection for AC Power 10 KV 40 KV General Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C - 60°C (-40°F - 140°F) Storage Temperature -40°C - 85°C (-40°F - 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 192.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Jumbo Frame	1536 Bytes			
Power Input Voltage 100VAC − 240VAC Max. PoE Output Power /Per Port Per Port \$4VDC. Max. 30W Total PoE Power Budget 120W 240W IEEE 802.3d/ad Supported Power Pin Assignment 1/2(+), 3/6(-) PoE PD Auto Detection Supported Surge Protection/Each PoE port 12 KV Surge Protection for AC Power 10 KV 40 KV Ceneral Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C ~60°C (-40°F ~140°F) Storage Temperature -40°C ~60°C (-40°F ~140°F) Operating Humidity 5% ~95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications	Auto-MDI/MDI-X, Auto-Negotiation	Supported			
Max. PoE Output Power /Per Port Per Port S4VDC, Max. 30W Total PoE Power Budget 120W 240W IEEE 802.3df/at Supported 1/2(+), 3/6(-) Power Pin Assignment 1/2(+), 3/6(-) 1/2(+), 3/6(-) PoE PD Auto Detection Supported Supported Surge Protection/Each PoE port 10 KV 40 KV General Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Power Specifications				
Total PoE Power Budget 120W 240W IEEE 802.3df/at Supported Power Pin Assignment 1/2(+), 3/6(-) PoE PD Auto Detection Supported Surge Protection/Each PoE port 12 KV Surge Protection for AC Power 10 KV 40 KV General Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C - 60°C (-40°F - 140°F) Storage Temperature 40°C - 85°C (-40°F - 185°F) Operating Humidity 32.52 (W) x 1999 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Power Input Voltage	100VAC ~ 240VAC			
EEEE 802.3dr/dr Supported 1/2(+), 3/4(-) Power Prin Assignment 1/2(+), 3/4(-) PoE PD Auto Detection Supported Surge Protection/Each PoE port 12 KV	Max. PoE Output Power /Per Port	Per Port 54\	Per Port 54VDC, Max. 30W		
Power Pin Assignment 1/2(+), 3/6(-) PoE PD Auto Detection Supported Surge Protection/Each PoE port 12 kV Surge Protection for AC Power 10 kV 40 kV General Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 kG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Cetifications EMC CE, FCC, VCCI, C-Tick Class A	Total PoE Power Budget	120W	240W		
PoE PD Auto Detection Supported Surge Protection/Each PoE port 12 KV Surge Protection for AC Power 10 KV 40 KV General Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) × 199.9 (H) × 90 (D) mm 315.4 (W) × 245.8 (H) × 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	IEEE 802.3af/at	Sup	Supported		
Surge Protection/Each PoE port 10 KV 40 KV General Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C - 60°C (-40°F ~ 140°F) Storage Temperature -40°C - 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications CE, FCC, VCCI, C-Tick Class A	Power Pin Assignment	1/2(1/2(+), 3/6(-)		
Surge Protection for AC Power 10 KV 40 KV General IP67 Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications CE, FCC, VCCI, C-Tick Class A	PoE PD Auto Detection	Sup	Supported		
General Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications CE, FCC, VCCI, C-Tick Class A	Surge Protection/Each PoE port	1	12 KV		
Waterproof Rating IP67 Vandal Proof IK10 Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Surge Protection for AC Power	10 KV	40 KV		
Vandal Proof IK10 Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	General				
Operating Temperature -40°C ~ 60°C (-40°F ~ 140°F) Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Waterproof Rating		IP67		
Storage Temperature -40°C~ 85°C (-40°F~ 185°F) Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Vandal Proof	IK10			
Operating Humidity 5% ~ 95% non-condensing Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Operating Temperature	-40°C ~ 60°C	-40°C ~ 60°C (-40°F ~ 140°F)		
Dimensions 255.2 (W) x 199.9 (H) x 90 (D) mm 315.4 (W) x 245.8 (H) x 118 (D) mm Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Storage Temperature	-40°C~ 85°C	-40°C~ 85°C (-40°F~ 185°F)		
Weight 3.2 KG 4.3 KG Connectors M25 x 2 M16 x 4, M25 x 2 Certifications CE, FCC, VCCI, C-Tick Class A	Operating Humidity	5% ~ 95% no	on-condensing		
Connectors M25 x 2 M16 x 4, M25 x 2 Certifications EMC CE, FCC, VCCI, C-Tick Class A	Dimensions	255.2 (W) x 199.9 (H) x 90 (D) mm	315.4 (W) x 245.8 (H) x 118 (D) mm		
Certifications EMC CE, FCC, VCCI, C-Tick Class A	Weight	3.2 KG	4.3 KG		
EMC CE, FCC, VCCI, C-Tick Class A	Connectors	M25 x 2	M16 x 4, M25 x 2		
	Certifications				
Safety EN60950-1, IEC60950-1	EMC	CE, FCC, VCC	CE, FCC, VCCI, C-Tick Class A		
	Safety	EN60950-1, IEC60950-1			
Vibration IEC 60068-2-6	Vibration	IEC 60068-2-6			



Technical Specifications

AW-FET-053C-120 AW-FGT-103C-250 Model





Shock IEC 60068-2-27 IEC 60068-2-32 Freefall Surge ITU-T K.21, IEC-61643-11

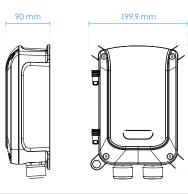
Accessories

Optional Accessories

Industrial SFP Transceiver: SFP-1000-MM85-X5I: MMF, 0.5 km, -40°C ~ 85°C SFP-1000-MM13-02I: MMF, 2 km, -40°C ~ 85°C SFP-1000-SM13-10I: SMF, 10 km, -40°C ~ 85°C SFP-1000-SM13-40I: SMF, 40 km, -40°C ~ 85°C

Dimensions

AW-FET-053C-120



AW-FGT-103C-250





Compatible Accessories

Pole Mount Bracket		Corner Mount Bracket
AM-314	AM-315	AM-414

- * EX Mode:
- 1. CAT.6 or better UTP/STP cable is highly recommended.
 2. Low quality cables will seriously limit the cabling distance.
 3. Ex mode doesn't support with the FE8391-V model.

