C11-082-32-120

Surveillance EXPoE Switches

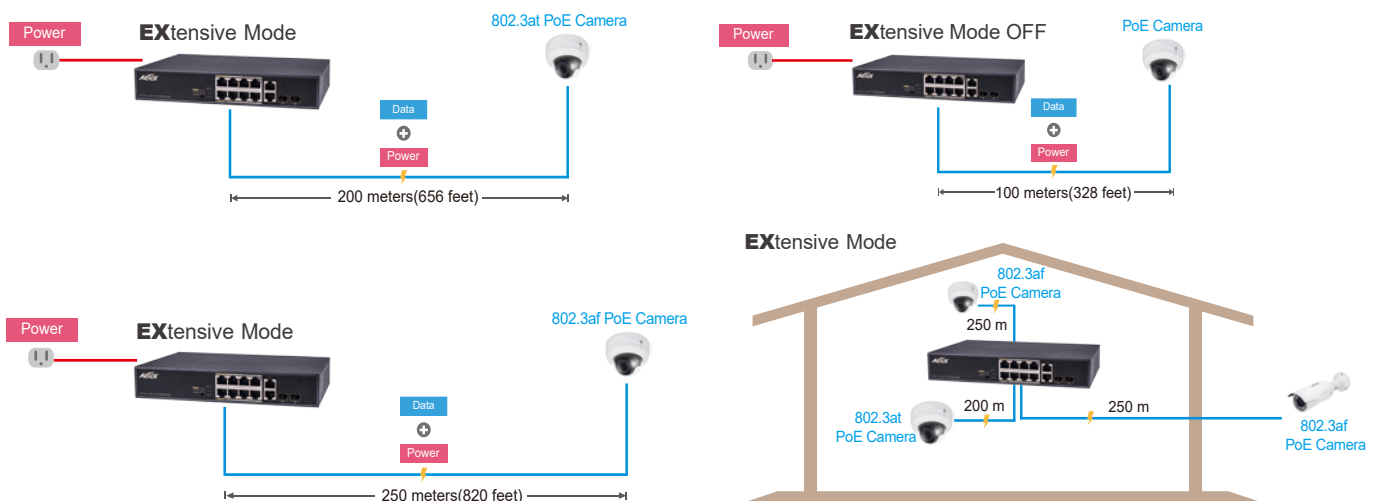| Ethernet Surge Protection | AC Power Surge Protection | PoE Range @250m | 10/100M | 30W PoE | 802.3at End-span / 802.3af | Plug & Play | Uplink Gigabit |
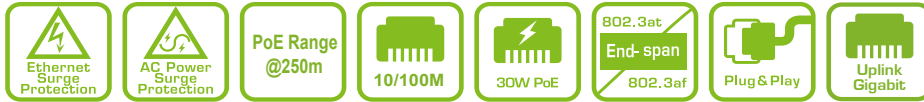
The C11-082-32-120 indoor unmanaged EXPoE switch equipped with DIP switch provides EX "EXtensive" operation mode. The C11-082-32-120 is specially designed for IP Surveillance application, besides standard 802.3af/at PoE functions, the EX mode delivers extreme distances of camera image & power maximum up to 250m via specific EX ports for long reach PoE IP cameras. Meanwhile, the C11-082-32-120 also features extra 20% range of input voltage tolerance, lightning surge protection of AC power & PoE surge protection to prevent the damage caused by outside unstable AC power, lightning surge and power spike. These unique features reduce the costs to replace damaged fault unit.

Features

- 15.4W / 802.3af & 30W / 802.3at compliant
- 6KV PoE surge protection each port
- 4KV AC surge protection
- Extra 20% range of input voltage tolerance
- Circuit protection prevents power interference between ports
- Detects PoE PD (power device) automatically

- EX mode OFF reaches PoE camera up to 100m@100Mbps via any PoE port
- EX mode ON reaches 802.3af camera up to 250m@10Mbps via EXPoE ports
- EX mode ON reaches 802.3at camera up to 200m@10Mbps via EXPoE ports

Applications

EXtensive Mode — 802.3at PoE Camera — Data + Power — 200 meters(656 feet)

EXtensive Mode OFF — PoE Camera — Data + Power — 100 meters(328 feet)

EXtensive Mode — 802.3af PoE Camera — Data + Power — 250 meters(820 feet)

EXtensive Mode — 802.3af PoE Camera 250 m — 802.3at PoE Camera 200 m — 250 m — 802.3af PoE Camera

Range Guide

	EX Port@ EX Mode ON	Any Port@ EX Mode OFF
802.3af PoE IP Camera	250m@10Mbps	100m@100Mbps
802.3at PoE IP Camera	200m@10Mbps	100m@100Mbps

Technical Specifications-Hardware

	C11-082-32-120
Network Specifications	
Total Fast Ethernet Ports	8
Total Gigabit Ports	2
PoE Port@EX Mode OFF	8x30W PoE ports
PoE Port@EX Mode ON	2x30W EXPoE + 6x30W PoE ports
Gigabit RJ45/SFP Combo ports	2
Gigabit RJ45 ports	-
Gigabit SFP ports	-
Mac Table	4K
Jumbo Frames	1,536 Bytes
Switching Capacity	5.6 Gbps
Power Specifications	
Input Voltage	100VAC ~ 240VAC
Output Voltage Range /per PoE Port	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output
PoE Surge Protection	6KV
AC Power Surge Protection	4KV
Power Budget	120W
Mechanical Specifications	
Dimensions (WxHxD)	270 x 181 x 44mm
Weight	1.54 kg (3.95 lb)
Environmental Specifications	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Operating Humidity	10% to 90% non-condensing
Certifications	
EMC	CE, FCC
Safety	EN62368-1

*Effect factors
1.Must connect af PoE PD
2.Poor cabling quality with insufficient copper
3.IP camera's networking design could not support 10Mbps@250m transmission

**Suggestion
Checking the interoperability reaching 10Mbps @ 250m before physical deployment
Adjust to "EX Mode OFF" reaching 10/100M bps @ 100m if "EX Mode ON" is fail.