

# ES2402-8P-2C-V3

## 8-Port Fast Ethernet Web Smart Switch POE-AT with 2 x Gigabit Uplinks

### Overview

The IFS ES Series of Web Smart PoE+ Switches are designed to be a cost-effective network switch solution for small to mid sized IP camera surveillance systems. The switches are available in 8-, 16- or 24-port Fast Ethernet PoE+ configurations with all versions having two additional GigE RJ45/SFP ports. Allowing for basic management and PoE functionality, the switches meet the basic need of providing Fast Ethernet ports for IP cameras with GigE ports for NVR/Server connections.

The IFS ES Series of Web Smart Switches support basic Layer 2 features, such as VLANs, QoS, Link Aggregation, Port Mirroring, Spanning Tree, IGMP Snooping and basic security. In addition, these switches provide both IEEE802.3-af/at power on each port (up to the maximum total power budget) and offer full PoE management features. With a unique PoE usage LED meter on the front panel, these switches allow users to monitor total power budget usage without having to connect to a PC.



### Details

- 8-Port 10/100 Mbps Fast Ethernet ports with PoE-AT
- 2x 10/100/1000 Mbps TP combo interfaces and 2 mini-GBIC/SFP slots (100/1000)
- Easy web-based management
- PD Alive Checking
- Supports auto-negotiation and half-duplex/full-duplex modes for all 10Base-T/100Base-TX and 1000Base-T ports
- Security Control: MAC Address binding and TCP & UDP filtering
- QoS support: allows to assign low / high priority on each port
- IGMP snooping for better control of multicast streams
- Port mirroring to monitor the incoming or outgoing traffic on a particular port
- Complies with IEEE 802.3at Power over Ethernet
- Supports up to 8 POE-af devices or 4 POE-at devices at full power
- Up to 120 W total POE power

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### Technical specifications

#### General

Storm control	Broadcast
Security	MAC address binding, TCP/UDP filtering
DHCP snooping	Yes

#### Category

Category	Commercial
Management	Web Smart
Managed	Yes (Layer 2)
PoE	Yes

#### Physical ports

No. of ports	8
Port type	8 Fast 2 Gig (shared with SFP)
Speed	Fast
PoE/PoE+	8 Port PoE/4 Port PoE+
Fiber port	2 (shared)
Supported SFPs	S2x and S3x series, S30/S35 series
SFP speed	100/1000

#### Switch Performance

Switch fabric	5.5 Gbps
Throughput (Mpps)	4.17
Mac table	16 K
Jumbo frame support	10 K

#### Layer 2 Functions

Management interface	Web
IGMP snooping	255 Group, Snooping v1, v2, v3
IGMP query	Without Query supported
VLAN, QoS	30, yes

#### Electrical

PoE power budget	120 W
Redundant power	No
Power supply type	100 to 240 VAC
Power consumption	160 W (max.)

#### Physical

Physical dimensions	280 x 180 x 44 mm
Net weight	1.6 kg
Colour	Black
Material	Metal
Mounting type	Desk-based, Rack mount
Stackable	No

#### Environmental

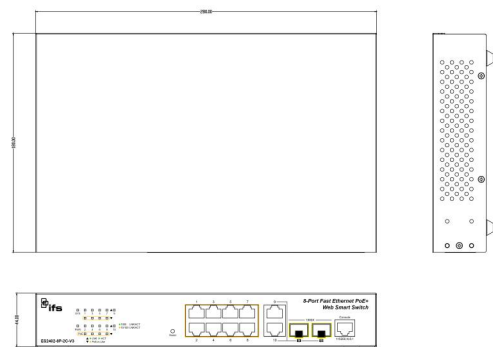
Operating temperature	0 to +50°C
Storage temperature	-10 to +70°C
Relative humidity	20 to 95% noncondensing
Environment	Indoor

#### Standards & regulation

Compliance	CE
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#### Standards conformance

IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3z Gigabit SX/LX
IEEE 802.3ab Gigabit 1000Base-T
IEEE 802.3at Power over Ethernet
IEEE 802.3x Flow Control and Back Pressure
IEEE 802.3ad: Port trunk with LACP
IEEE 802.1d Spanning Tree Protocol
IEEE 802.1w Rapid Spanning Tree Protocol
IEEE 802.1p Class of Service
IEEE 802.1Q VLAN Tagging
IEEE 802.1x Port Authentication Network Control



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