

Welcome

Sistemas PoE y videovigilancia

Parte 2



Webinar IMA Mayo 2021

Sistemas PoE y Videovigilancia Parte 2









Fecha	27 Mayo 2021
Hora	16:00
Hora	17:00
Duración	1 hora
Costo	gratuito

Conozca el portafolio de productos Phoenix Contact para realizar PoE

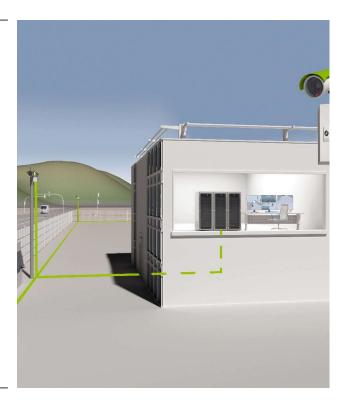
Aprenda a seleccionar los productos más sencillos PoE que puede utilizar para realizar una integración de ellos en una aplicación PoE que cumpla la necesidad de aplicaciones fáciles y sencillas en puntos de requerimiento PoE.



Webinars

Agenda

- Portafolio de Productos PoE
- Injector
- Unmanaged Swith
- Managed Switch
- Splitter
- ➤ Other products PoE



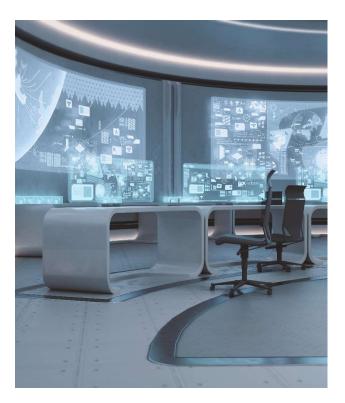


Surveillance Infraestructure

Overview

- Security
- Access
- Recording
- Process
- Paths
- Warning
- Alarm
- Control
- Actions
- Light
- Dark
- Temperature

- PoE
- Fiber optic
- Cameras
- Wireless
- Control Room
- Doors
- Bars
- Tunnels
- Traffic Light
- Urban Monitoring
- Police
- Fire Department

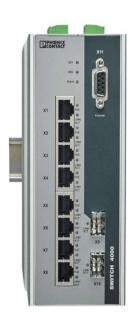




Phoenix Contact PoE Portfolio





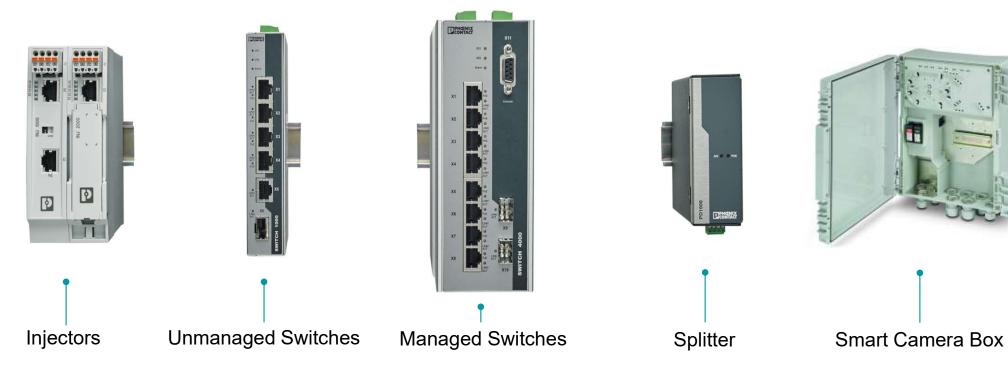








From the Injector to the Splitter





PoE-Injector or switch



Injector

- Plug and play one port
- Hi Power (60W)
- Price advantage by one port
- Patch Panel technology
- Surge protection
- Shield current diagnostics
- galvanic isolation

Unmanaged Switch

- Plug and play several ports
- SFP fiber ports
- Remote monitoring of connected PDs

Managed Switch

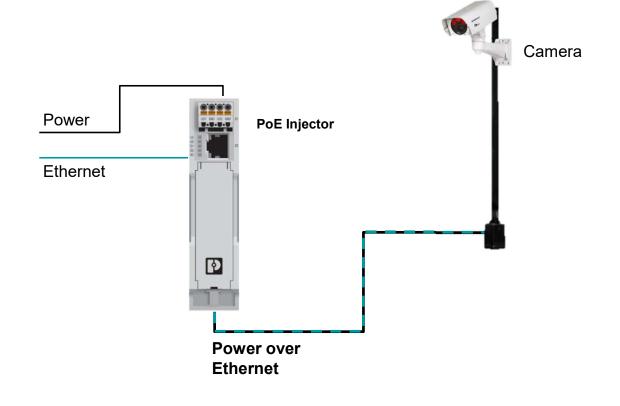
- Managed features like redundancy, monitoring, configuration, security
- SFP fiber ports
- Hi Power (60W)
- Prioritize PDs
- · Remote control of PDs
- PoE Watchdog
- Force power to noncompliant PDs



PoE Injectors

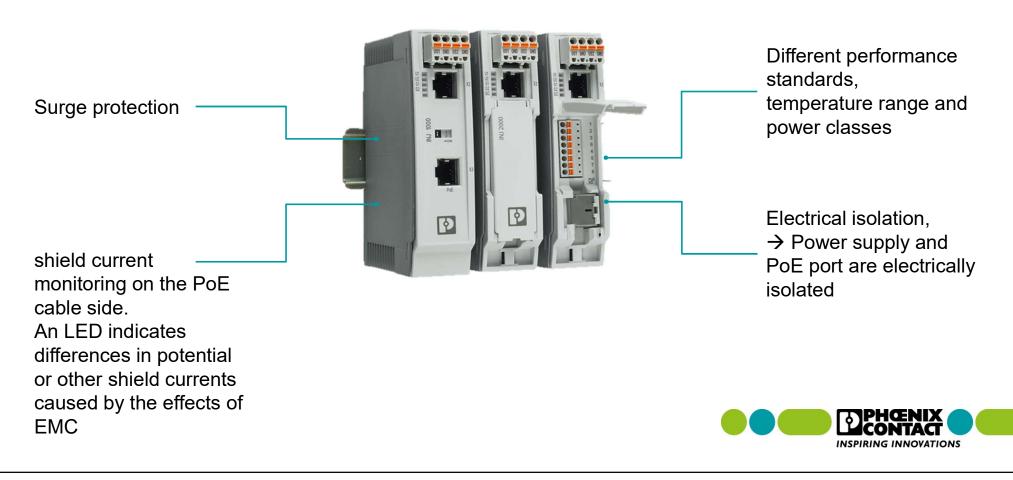
Injector

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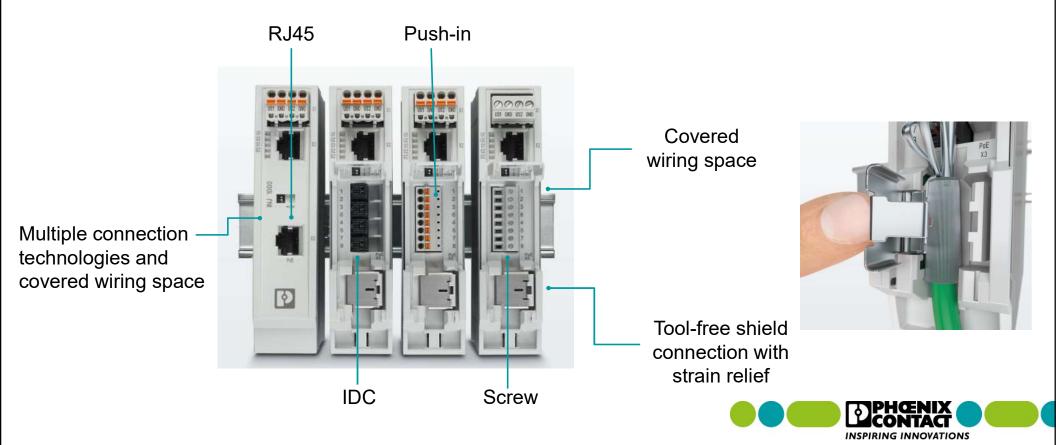




PoE Injectors



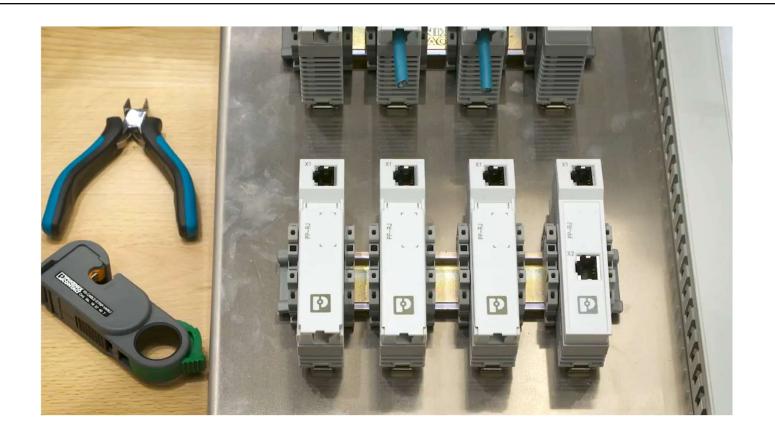
PoE Injectors





Cabling Patch Panel





Cabling Patch Panels similar to PoE Injector



PoE Injectors

i Webcode: #1789			Ex	Ex	Ex	Ex)
Description	PoE Injector INJ 1000				PoE Injector INJ 2000	
Interfaces	RJ45 / RJ45	RJ45 / RJ45	RJ45 / RJ45	RJ45 / IDC	RJ45 / Push-in	RJ45 / Screw
Temperature range	0 °C +60 °C	-40 °C +75 °C	-40 °C +75 °C	-40 °C +75 °C	-40 °C +75 °C	-40 °C +75 °C
Galvanic isolation	1	No				
Surge protect., shield cur.	No				Yes	
Typ ArtNr. PoE at/af, 15/30W	INJ 1000 2703005	INJ 1000-T 2703006	INJ 1100-T 2703009	INJ 2102-T 2703012	INJ 2103-T 1004065	INJ 2101-T 2703011
Typ ArtNr. PoE++ 60W	INJ 1010 2703007	INJ 1010-T 2703008	INJ 1110-T 2703010	INJ 2112-T 2703014	INJ 2113-T 1004066	INJ 2111-T 2703013





PoE-Injector with 2 Port PoE 10/100 mbps, 2x15W

FL IF 2PSE 2-Port-PoE-Injector, Extension module for FL SWITCH GHS 10/100 mbps, 2x15W



Unmanaged PoE-Switches



	FL SWITCH 1708 M12 POE
Ports	8 POE+
Temperature Range	-40 +70°C
Power supply	24 V DC (18-30 VDC)
Protection	IP 67
Max Power Data Rate	200 W / 30W max/Port 10/100/1000 mbps



FL SWITCH 1001- 4POE
4 POE+
-40 +75°C
18-57 VDC
IP 20
120 W / 30W per Port 10/100 mbps



1000 Series Unmanaged PoE Switch

-	
-	LISP
	USE

				* US
1000 Series Unmanaged				
Description	FL SWITCH 1000T-2POE- GT-2SFP	FL SWITCH 1001T-4POE- GT	FL SWITCH 1001T-4POE- GT-SFP	FL SWITCH 1000T-8POE- GT-2SFP
Article	1026765	1026937	1026932	1026929
Ports	2 RJ45 POE x 2 SFP	5 RJ45 (4 POE)	5 RJ45 (4 POE) x 1 SFP	8 RJ45 POE x 2 SFP
Speed	10/100/1000 Mbit/s *	10/100/1000 Mbit/s*	10/100/1000 Mbit/s*	10/100/1000 Mbit/s *
Power Port/Module	30 Watt / 60 Watt	30 Watt / 120 Watt	30 Watt / 120 Watt	30 Watt / 120 Watt
Input Voltage	52 – 57 VDC	18 - 57 VDC *	18 - 57 VDC *	18 - 57 VDC *
Dimensions	42.8 x 100 x 100 *	30 x 149 x 108	30 x 149 x 108	64 x 145 x 136



POE Updates

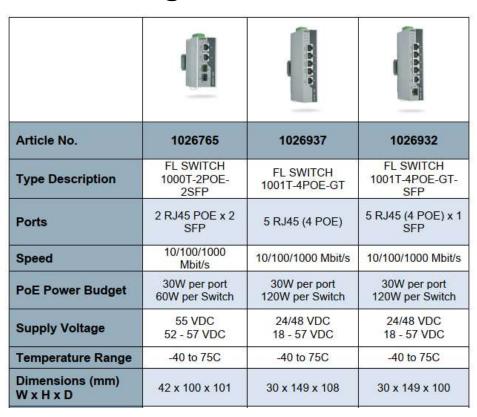
Two New Variants

- Galvanically Isolated
- 27mm form factor
- Factory Automation Target



Network

PoE Unmanaged Switches



new

	(** ** ** ** ** ** ** ** ** ** ** ** **	Sees sees
Article No.	1102077	1102079
Type Description	FL SWITCH 1001-4POE-GT	FL SWITCH 1000- 8POE-GT
Ports	5 RJ45 (4 POE)	8 RJ45 POE
Speed	10/100/1000 Mbit/s	10/100/1000 Mbit/s
PoE Power Budget	30W per port 120W per switch	30W per port 120W per switch
Supply Voltage	24/48 VDC 19 – 57 VDC	24/48 VDC 19 – 57 VDC
Temperature Range	-10 to 60C	-10 to 60C
Dimensions (mm) W x H x D	27 x 130 x 120	27 x 130 x 120



Industrial Ethernet

Unmanaged switches with PoE



	Unmanaged Power over Ethernet switches						
Web code #1557	FL SWITCH 1000T- 2POE-GT-2SFP	FL SWITCH 1001T- 4POE-GT	FL SWITCH 1001T-4POE- GT-SFP	FL SWITCH 1001- 4POE-GT	FL SWITCH 1000- 8POE-GT		
Order No.	1026765	1026937	1026932	1102077	1102079		
	\$ € €	₾- (€	₾ (€	- €	- (€		
Ports	2 RJ45 POE x 2 SFP	5 RJ45 (4 POE)	5 RJ45 (4 POE) x 1 SFP	5 RJ45 (4 POE)	8 RJ45 POE		
PoE Power Budget	30W per port 60W per Switch		30W per j 120W per S				
Recommended Power Supply	TRIO-PS-2G/1AC/48DC/5 – 2903159 QUINT4-PS/1AC/48DC/5 – 2904810	090W total POE P UNO-PS/1AC/24DC/1 TRIO-PS-2G/1AC/24D QUINT4-PS/1AC/24DC	50W - 2904376 C/5 - 2903148	91120W total PoE Power Output UNO-PS/1AC/24DC/240W - 2904372 TRIO-PS-2G/1AC/24DC/10 - 2903149 QUINT-4-PS/1AC/24DC/10 - 2904601			
Dimensions (W x H x D) Temperature range Power Supply Alarm Contact Degree of protection	42 x 100 x 101 -40 to 75C 52-57V Dc, redundant Yes IP30	30 x 149 x 108 -40 to 75C 18-57V DC, redundant Yes IP30	30 x 149 x 100 -40 to 75C 18-57V DC, redundant Yes IP30	27 x 130 x 120 -10 to 60C 19-57V DC No IP20	27 x 130 x 120 -10 to 60C 19-57V DC No IP20		
General	All st	andard FL SWITCH 1000/SFNT	functions	All standard FL SWIT	CH 1000 functions		
LED diagnostics	Link Indication, Data Speed, PoE status, Link Failure			Link Indication, Data	Speed, PoE status		
DIP Switch	Enable/Disable alarm per port			No			
QoS	Yes			Yes, Automation Pro	tocol Prioritization		
Packset Size	Jumbo Frames (Frame Size 10240 Bytes/Frame)			Jumbo Frames (Frame S	ize 9216 Bytes/Frame)		
PoE Designation	PoE+ (IEEE 802.3at)			PoE+ (IEEE 802.3at)			
PoE Mode		Mode A: Power over data pairs			Mode A: Power over data pairs		
Galvanic Isolation		No			Yes		



Surveillance Infraestructure

PoE portfolio



Video PoE products



4000 Series Managed PoE Switch

* USP

4000 Series Managed			
Description	FL SWITCH 4000T-SFP	FL SWITCH 4000T-8POE-2SFP	FL SWITCH 4004T-8POE-4SFP
Article	1026924	1026923	1026922
Ports	4 RJ45 POE, 1 SFP	8 RJ45 POE, 2 SFP	12 RJ45 (8 POE), 4 SFP
Speed	10/100 Mbit/s RJ45 1000 Mbit/s SFP	10/100 Mbit/s RJ45 1000 Mbit/s SFP	10/100/1000 Mbit/s*
Power Port/Module	60 Watt / 180 Watt*	60 Watt / 180 Watt*	60 Watt / 240 Watt*
Input Voltage	52 – 57 VDC	52 – 57 VDC	52 – 57 VDC
Dimensions	75 x 170 x 152	75 x 170 x 152	68 x 170 x 152 *



4000 Series Managed PoE Switch

* USP

4000 Series Managed			
Description	FL SWITCH 4000T-SFP	FL SWITCH 4000T-8POE-2SFP	FL SWITCH 4004T-8POE-4SFP
Article	1026924	1026923	1026922
Ports	4 RJ45 POE, 1 SFP	8 RJ45 POE, 2 SFP	12 RJ45 (8 POE), 4 SFP

- Power management for each port
- PoE Watchdog
- Diagnostics and alert
- Auto/Forced Modes
- Power Priority
- Power Down Alarm
- Time management to save energy costs



4000 Series Managed Features



Introducing 3 New Managed Features

- PoE Configuration
 - Allows configuration of all PoE functions, by port
- PoE Scheduling
 - Allows PoE power to be scheduled by hour of day and day of week
- PoE Watchdog
 - Allows connected PDs to be monitored, and automatically rebooted or powered off in the event of a failure



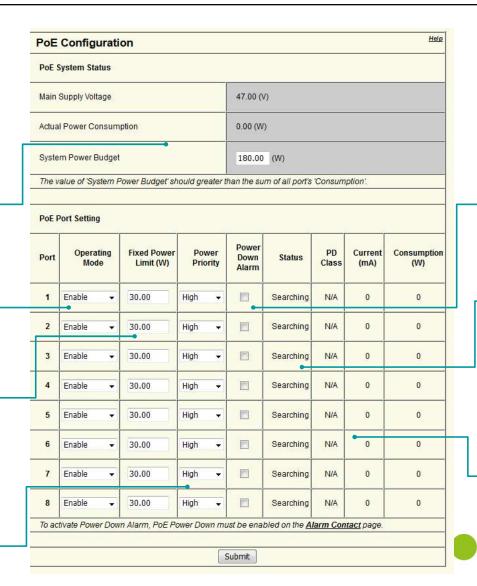


View overall PoE system settings such as power supply, consumption, and configuration of power budget

Enable/Disable PoE per port

Configure the power budget by port

Set port power priority by port in event of power requirements exceeding "System Power Budget"



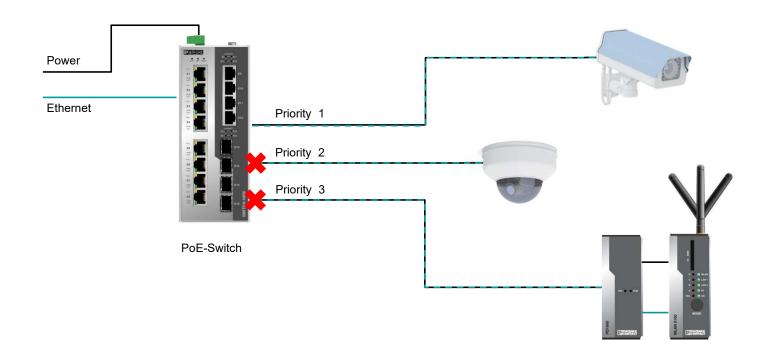
Check this box to trigger an alarm in PoE power is not being delivered to the PD

Displays the operating status of the PoE port

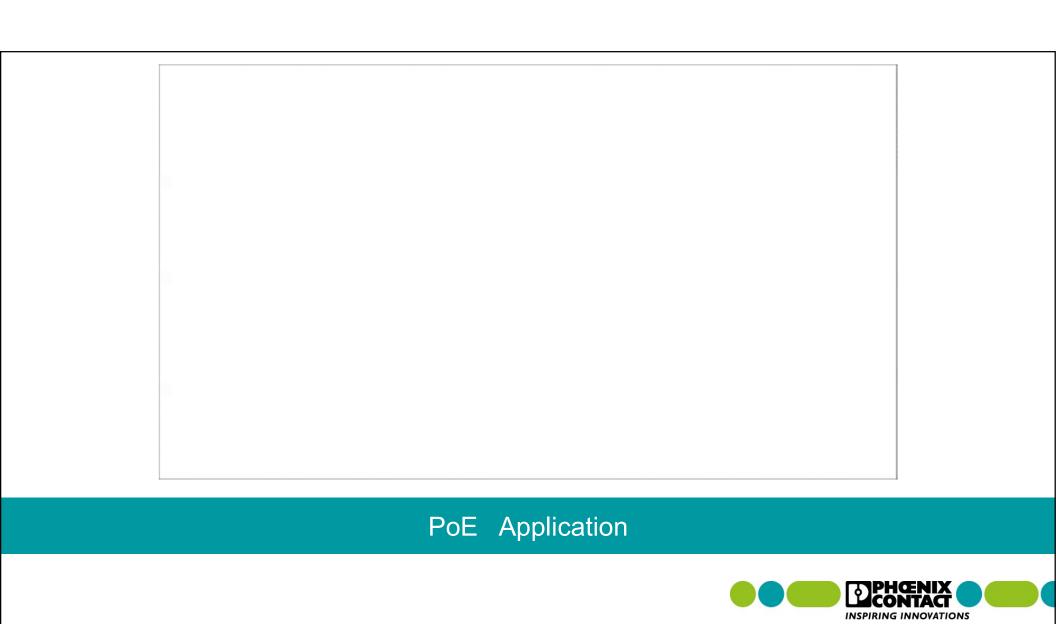
Displays monitoring data for the attached PDs in the form of PD class, current draw, and current consumption



4000 Series Managed – PoE Prioritization







Surveillance Infraestructure

INJ and PoE

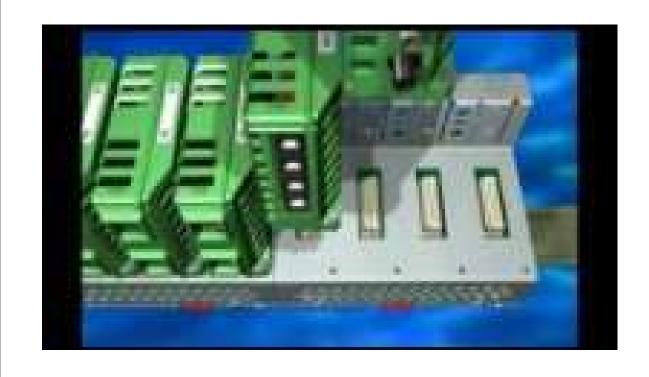


Video presentation of INJ Injector and PoE products



PoE Module

FL SWITCH GHS





FL SWITCH GHS 4G/12 - 2700271



FL IF 2PSE-F - 2832904





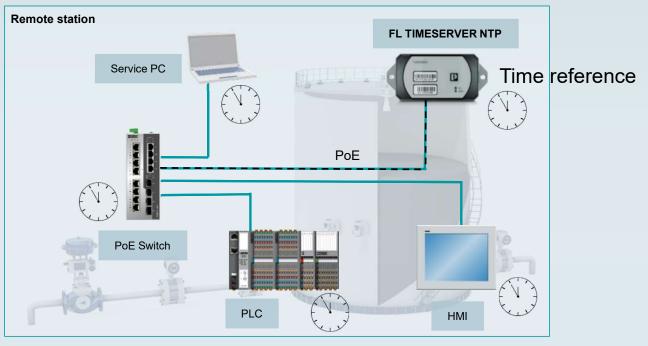


FL TIMESERVER NTP



FL TIMESERVER NTP Time synchronisation





- Accurate time synchronization of Ethernet devices in a network via NTP protocol
- No Internet access necessary for more security



FL TIMESERVER NTP Features



- NTP time server for Ethernet networks
- Gigabit Ethernet with
 Power over Ethernet
 supply
- Alternative external 10 ... 30 V DC supply





IEEE 802.3 bt - the new standard

IEEE Standard → **PoE** bt

- PTZ cameras, PanTilt Zoom with infrared lighting and heating
- Monitors
- PCs / HMI
- Kiosks
- POS terminals
- thin clients
- LED lighting







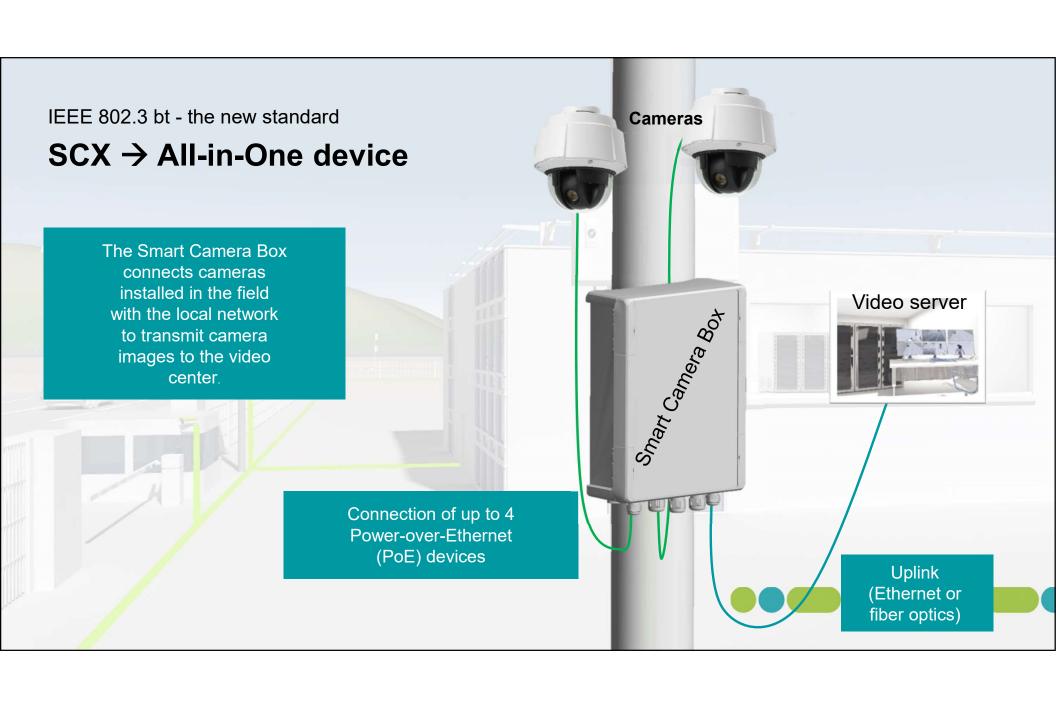












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Phoenix Contact



Video Surveillance



Webinar IMA 2020

Mayor información



www.phoenixcontact.com.mx ventas@phoenixcontact.com.mx 55 1101 1380

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