

Network Transmission

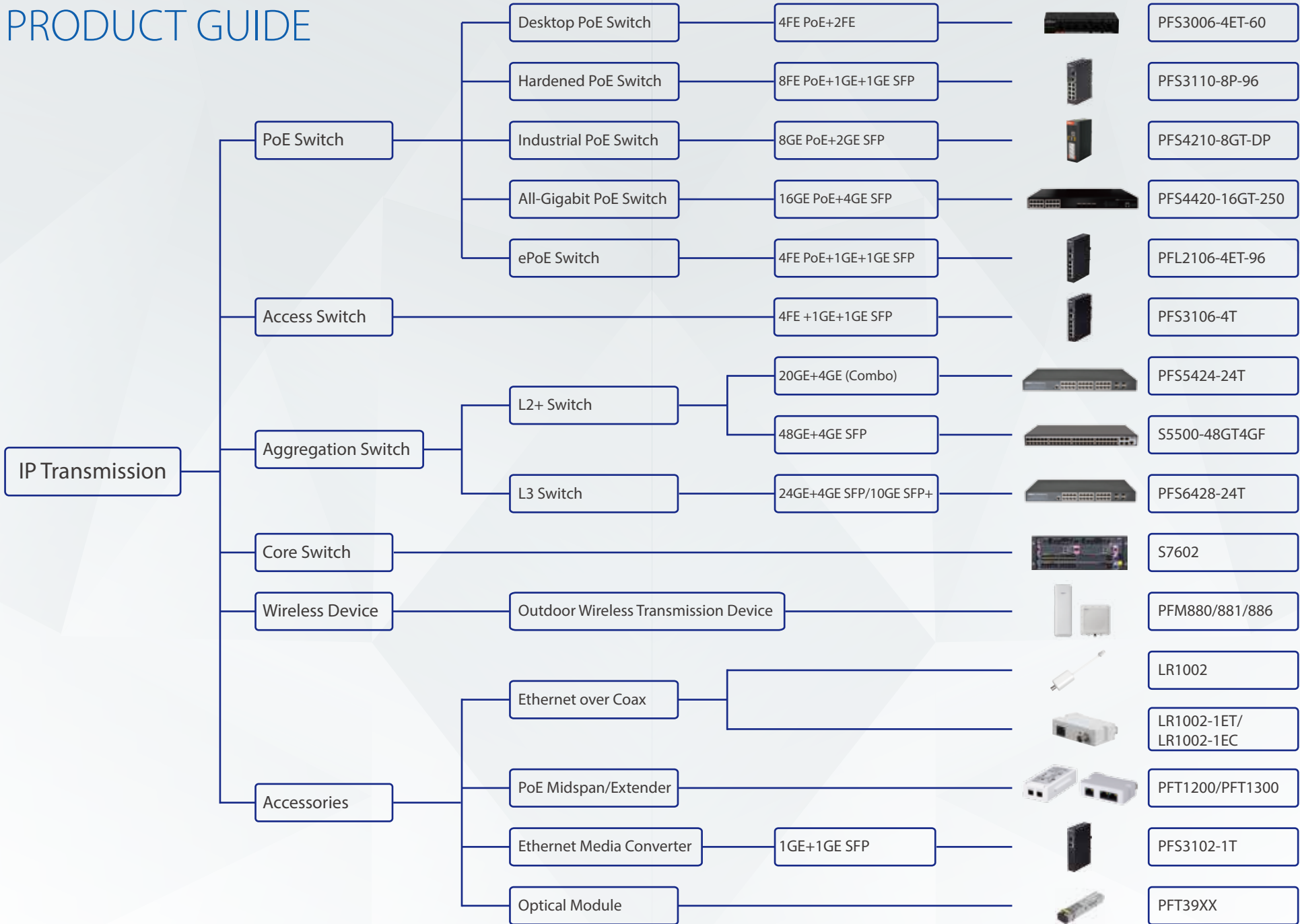
Products and Solutions

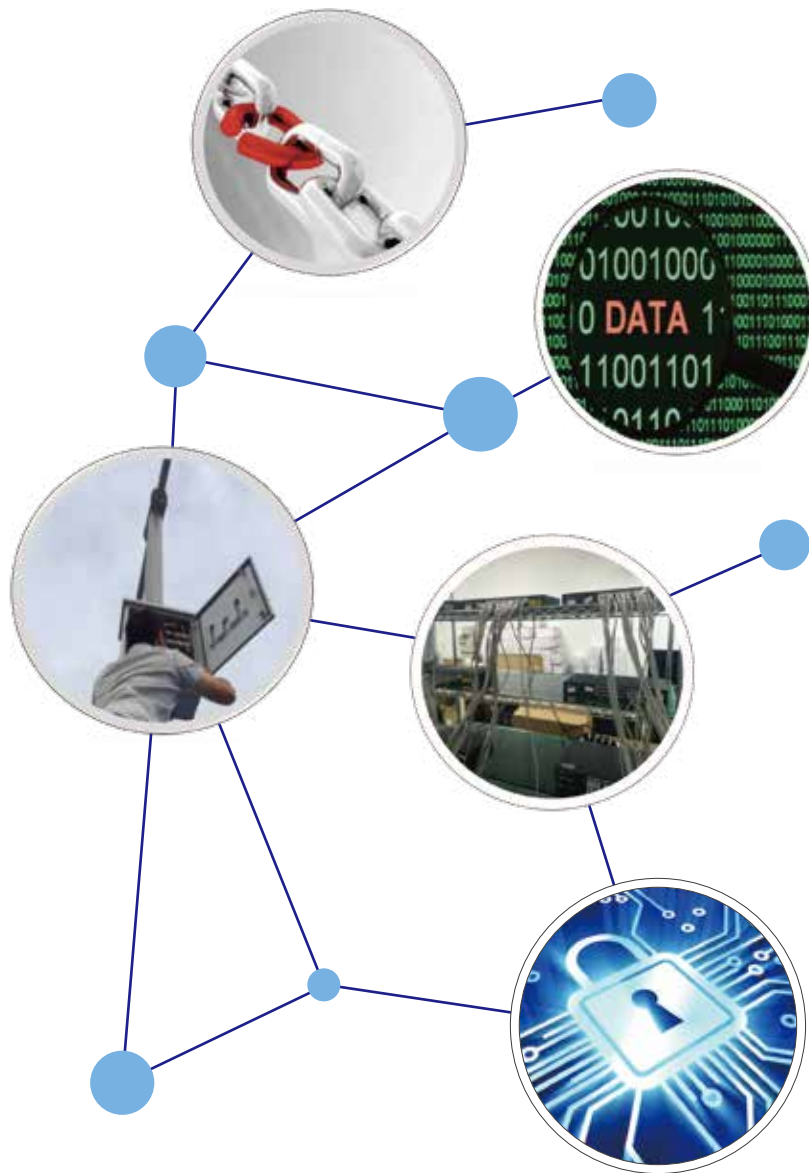
2017 Ver. 2

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PRODUCT GUIDE





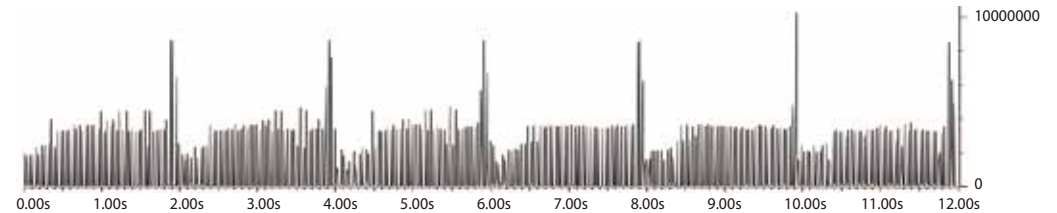
WHY DAHUA SWITCH ?

High reliable components(power, switch chip, PSE chip)

Top chip and power from world-leading video surveillance solution provider to ensure the quality and reliability

Non-blocking video transmission

Video stream characteristic is different from the ordinary stream. Sudden increase of video stream brings high pressure to the data forwarding of switch. The flow control function of Dahua switch is enabled by default and large hardware buffer can best ease the sudden data peak and smooth the video stream.



Industrial-grade design

Dahua switch is designed to work under extreme environments, such as wide temperature range and lightning environment. Dahua switch can reach lightning protection level 3. Accelerated Life Testing (ALT) is performed to ensure the high reliability and long life time.

Video pressure test

It is an important feature of how a switch can handle the big amount of video streams in video surveillance. Rich experience in video surveillance has enabled Dahua to design and manufacture the best switches for video surveillance. At the same time Dahua switch has passed the high video pressure test in minimal 200 IP cameras test environment which demonstrates high product reliability .

Security

Dahua switch is capable of realizing control upon access device and avoiding network intrusion via 802.1X, MAC Binding and MAC filter.




Moreover, Dahua switch is equipped with power management mechanism, which guarantees the power supply of high-priority port and also protect the switch not to be damaged.

PoE Switch

PoE Switch


- IP CCTV PoE switch
- Non-blocking video transmission
- Wide temperature range
- High level lightning protection

PoE Switch

	Desktop PoE Switch		
	PFS3005-4P-58	PFS3006-4ET-60 ★	PFS3008-8ET-60 ★
Model			
Fast/Gigabit Ethernet	4FE PoE+1FE	4FE PoE+2FE	4FE PoE+4FE
SFP Slots	-	-	-
Switching Capacity	1Gbps	1.8Gbps	1.8Gbps
Packet Forwarding Rate	744Kpps	890Kpps	1.19Mpps
Packet Buffer Memory	448Kb	768Kb	768Kb
MAC Table Size	1K	2K	2K
PoE Standard	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE
PoE Budget	58W	60W	60W
Long Distance PoE Transmisson	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
VLAN	-	-	-
Link Aggregation	-	-	-
Flow Control	Support	Support	Support
Spanning Tree	-	-	-
Management	-	-	-
Lightning Protection	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV
Working Temperature	-10°C ~ +50°C (14°F ~ +122°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	100mm x100mm x26mm (3.9"x3.9"x1.0")	130mm×85mm×26mm (5.1"×3.3"x1.0")	190mm x100mm x30mm (7.5"×3.9"x1.2")

PoE Switch						
	Desktop PoE Switch					
Model	PFS3008-8GT-60	PFS3008-8GT-96	PFS3009-8ET-96 ★	PFS3010-8ET-96 ★	PFS4218-16ET-190/240 ★	PFS4226-24ET-240/360 ★
Fast/Gigabit Ethernet	4GE PoE+4GE	8GE PoE	8 FE PoE + 1FE	8 FE PoE + 2GE	16FE PoE+2GE (Combo)	24FE PoE+2GE (Combo)
SFP Slots	-	-	-	-	2GE SFP(Combo)	2GE SFP(Combo)
Switching Capacity	20Gbps	20Gbps	1.8Gbps	5.6Gbps	8.8Gbps	8.8Gbps
Packet Forwarding Rate	11.9Mpps	11.9Mpps	1.34Mpps	4.17Mpps	5.36Mpps	6.55Mpps
Packet Buffer Memory	1.5Mb	1.5Mb	768Kb	4Mb	2.75Mb	2.75Mb
MAC Table Size	8K	8K	2K	16K	4K	4K
PoE Standard	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE
PoE Budget	60W	96W	96W	96W	190W/240W	240W/360W
Long Distance PoE Transmisson	-	-	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)	Yes (250 meters)
VLAN	-	-	-	-	Support	Support
Link Aggregation	-	-	-	-	Support	Support
Flow Control	Support	Support	Support	Support	Support	Support
Spanning Tree	-	-	-	-	Support	Support
Management	-	-	-	-	Web	Web
Lightning Protection	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	190mm x100mm x30mm (7.5"x3.9"x1.2")	190mm x100mm x30mm (7.5"x3.9"x1.2")	190mm x100mm x30mm (7.5"x3.9"x1.2")	190mm x100mm x30mm (7.5"x3.9"x1.2")	440mm x300mm x44mm (17.3"x11.8"x1.7")	440mm x300mm x44mm (17.3"x11.8"x1.7")



PoE Switch						
	Hardened PoE Switch					
Model	PFS3106-4P-60 ★	PFS3206-4P-96/120 ★	PFS4206-4P-96/120	PFS3110-8P-96 ★	PFS3211-8GT-120	PFS3409-4GT-96
						
Fast/Gigabit Ethernet	4FE PoE+1GE	3FE PoE+1GE PoE	3FE PoE+1GE PoE	8FE PoE+1GE	8GE PoE+1GE	4GE PoE+1GE
SFP Slots	1GE SFP	2GE SFP	2GE SFP	1GE SFP	2GE SFP	4GE SFP
Switching Capacity	6.8Gbps	6.8Gbps	6.8Gbps	7.6Gbps	28Gbps	28Gbps
Packet Forwarding Rate	3.57Mpps	4.91Mpps	4.91Mpps	4.17Mpps	20.72Mpps	17.76Mpps
Packet Buffer Memory	1Mb	1Mb	1Mb	1Mb	1.75Mb	1.75Mb
MAC Table Size	8K	8K	8K	8K	4K	4K
PoE Standard	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at),Hi-PoE	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at), Hi-PoE
PoE Budget	60W	96W/120W	96W/120W	96W	120W	96W
Long Distance PoE Transmisson	-	-	-	-	-	-
VLAN	-	-	Support	-	-	-
Link Aggregation	-	-	-	-	-	-
Flow Control	Support	Support	Support	Support	Support	Support
Spanning Tree	-	-	Support	-	-	-
Management	-	-	Web	-	-	-
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)
Dimensions (WxDxH)	150mm x100mm x30mm (5.9"x3.9"x1.2")	150mm x100mm x30mm (5.9"x3.9"x1.2")	150mm x100mm x30mm (5.9"x3.9"x1.2")	150mm x100mm x42mm (5.9"x3.9"x1.7")	150mm x100mm x42mm (5.9"x3.9"x1.7")	150mm x100mm x42mm (5.9"x3.9"x1.7")

PoE Switch						
	Industrial PoE Switch					
	PFS4210-8GT-DP	PFS4410-6GT-DP	PFS3106-4GT-DP	PFS3210-8ET-DP	PFS3210-8GT-DP	PFS4412-8GT-DP
Model						
Fast/Gigabit Ethernet	8GE PoE	6GE PoE	4GE PoE+1GE	8FE PoE+2GE(Combo)	8GE PoE	8GE PoE
SFP Slots	2GE SFP	4GE SFP	1GE SFP	2GE SFP (Combo)	2GE SFP	4GE SFP
Switching Capacity	28Gbps	28Gbps	12Gbps	5.6Gbps	20Gbps	52Gbps
Packet Forwarding Rate	19.24Mpps	19.24Mpps	8.93Mpps	4.17Mpps	14.88Mpps	17.85Mpps
Packet Buffer Memory	4Mb	4Mb	1Mb	4Mb	2Mb	2Mb
MAC Table Size	8K	8K	4K	16K	16K	2K
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)
PoE Budget	≤125W	≤125W	≤100W	≤125W	≤125W	≤125W
Long Distance PoE Transmisson	-	-	-	-	-	-
VLAN	Support	Support	-	-	-	Support
Link Aggregation	Support	Support	-	-	-	Support
Flow Control	Support	Support	-	-	-	Support
Spanning Tree	Support	Support	-	-	-	Support
Management	Support	Support	-	-	-	Support
Lightning Protection	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-40°C ~ +75°C (-40°F~+167°F)	-40°C ~ +75°C (-40°F~+167°F)	-30°C ~ +85°C (-22°F~+185°F)	-30°C ~ +85°C (-22°F~+185°F)	-30°C ~ +85°C (-22°F~+185°F)	-40°C ~ +85°C (-40°F~+185°F)
Dimensions (WxDxH)	175.0mm x126.5mm x53.5mm (6.9"x5.0"x2.1")	175.0mm x126.5mm x53.5mm (6.9"x5.0"x2.1")	30mm x90mm x135mm (1.18"x3.54"x5.31")	44.5mm x100mm x168mm (1.75"x3.94"x6.61")	44.5mm x100mm x168mm (1.75"x3.94"x6.61")	44.5mm x100mm x169mm (1.75"x3.94"x6.65")





PoE Switch			
	All-Gigabit PoE Switch		ePoE Switch
Model	PFS4420-16GT-250	PFS4428-24GT-370	PFL2106-4ET-96 ★
			
Fast/Gigabit Ethernet	16GE PoE	24GE PoE	4FE PoE+ 1GE
SFP Slots	4GE SFP	4GE SFP	1 GE SFP
Switching Capacity	56Gbps	56Gbps	6.8Gbps
Packet Forwarding Rate	29.76Mpps	41.66Mpps	3.57Mpps
Packet Buffer Memory	4.1Mb	4.1Mb	1Mb
MAC Table Size	8K	8K	8K
PoE Standard	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at)	PoE (802.3af), PoE+ (802.3at),Hi-PoE
PoE Budget	250W	370W	96W
Long Distance PoE Transmisson	-	-	Yes (800 meters)
VLAN	Support	Support	-
Link Aggregation	Support	Support	-
Flow Control	Support	Support	Support
Spanning Tree	-	-	-
Management	Web	Web	-
Lightning Protection	Common Mode 2KV Differential Mode 0.5KV	Common Mode 2KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)	-30°C ~ +65°C (-22°F~+149°F)
Dimensions (WxDxH)	440mm x260mm x44mm (17.3"x10.2"x1.7")	440mm x260mm x44mm (17.3"x10.2"x1.7")	150mm x100mm x30mm (5.9"x3.9"x1.2")

Access Switch

- IP CCTV access switch
- Non-blocking video transmission
- Wide temperature range
- High level lightning protection

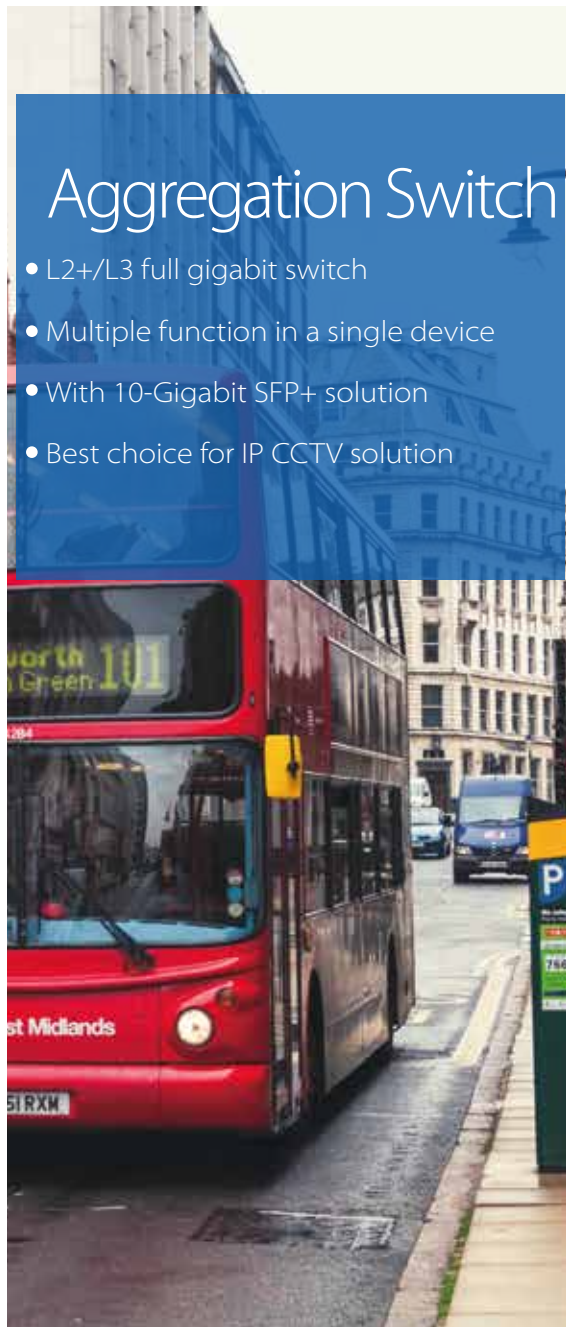
Access Switch		
	PFS3106-4T ★	PFS3110-8T ★
Model		
Fast/Gigabit Ethernet	4FE+1GE	8FE+1GE
SFP Slots	1GE SFP	1GE SFP
Switching Capacity	6.8G	13.6G
Packet Forwarding Rate	3.57Mpps	4.17Mpps
Packet Buffer Memory	1Mb	2Mb
MAC Table Size	8K	8K
PoE Standard	-	-
PoE Budget	-	-
Long Distance PoE Transmisson	-	-
VLAN	-	-
Link Aggregation	-	-
Flow Control	Support	Support
Spanning Tree	-	-
Management	-	-
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-40°C ~ +70°C (-40 °F ~ +158°F)	-40°C ~ +70°C (-40 °F ~ +158°F)
Dimensions (WxDxH)	150mm x 100mm x 30mm (5.9"x3.9"x1.2")	150mm x 100mm x 42mm (5.9"x3.9"x1.7")






Access Switch

	PFS3005-5GT ★	PFS3008-8GT ★	PFS3016-16GT	PFS3024-24GT
Model				
Fast/Gigabit Ethernet	5GE	8GE	16GE	24GE
SFP Slots	-	-	-	-
Switching Capacity	10Gbps	16Gbps	32Gbps	48Gbps
Packet Forwarding Rate	7.44Mpps	11.9Mpps	23.8Mpps	35.7Mpps
Packet Buffer Memory	1Mb	1.5Mb	2Mb	2Mb
MAC Table Size	2K	4K	8K	8K
PoE Standard	-	-	-	-
PoE Budget	-	-	-	-
Long Distance PoE Transmisson	-	-	-	-
VLAN	-	-	-	-
Link Aggregation	-	-	-	-
Flow Control	-	-	-	-
Spanning Tree	-	-	-	-
Management	-	-	-	-
Lightning Protection	Common Mode 4KV Differential Mode 0.5KV	Common Mode 4KV Differential Mode 0.5KV	Common Mode 6KV Differential Mode 0.5KV	Common Mode 6KV Differential Mode 0.5KV
Working Temperature	0°C ~ +40°C (32°F~+104°F)	0°C ~ +40°C (32°F~+104°F)	0°C ~ +40°C (32°F~+104°F)	0°C ~ +40°C (32°F~+104°F)
Dimensions (WxDxH)	100mm x64mm x25mm (3.9"x2.5"x1.0")	186mm x106mm x33mm (7.3"x4.2"x1.3")	294mm x178mm x44mm (11.6"x7.0"x1.7")	294mm x178mm x44mm (11.6"x7.0"x1.7")

Access Switch				
	PFS4220-16T	PFS4228-24T	S4000-7X	S3000-16X
Model				
Fast/Gigabit Ethernet	16FE+2GE	24FE+2GE	4FE+1GE	2GE (Combo)
SFP Slots	2GE SFP	2GE SFP	2GE SFP	16FE SFP+2GE SFP(Combo)
Switching Capacity	24.8Gbps	24.8Gbps	7.6Gbps	15.2Gbps
Packet Forwarding Rate	8.33Mpps	9.52Mpps	5.06Mpps	5.36Mpps
Packet Buffer Memory	8Mb	8Mb	1Mb	2Mb
MAC Table Size	16K	16K	8K	8K
PoE Standard	-	-	-	-
PoE Budget	-	-	-	-
Long Distance PoE Transmisson	-	-	-	-
VLAN	Support	Support	Support	Support
Link Aggregation	Support	Support	-	Support
Flow Control	Support	Support	Support	Support
Spanning Tree	Support	Support	Support	-
Management	Web	Web	Web	Web
Lightning Protection	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 4KV Differential Mode 2KV	Common Mode 2KV Differential Mode 1KV
Working Temperature	+10°C ~ +55°C (14°F ~ +131°F)	+10°C ~ +55°C (14°F ~ +131°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Dimensions (WxDxH)	442mm x263mm x44.5mm (17.4"x10.7"x1.7")	442mm x263mm x44.5mm (17.4"x10.7"x1.7")	210mm x132mm x52mm (8.3"x5.2"x2.0")	440mm x300mm x43.5mm (17.3"x11.8"x1.7")

Aggregation Switch



	L2+ Switch				L3 Switch
	PFS5424-24T	PFS5924-24X	S5500-48GT4GF	S5500-48GT4XF	PFS6428-24T
Model					
Fast/Gigabit Ethernet	20GE+4GE (Combo)	8GE (Combo)	48GE	48GE	24GE
SFP Slots	4GE SFP(Combo)	16GE SFP+8GE SFP(Combo)	4GE SFP	4 x 10G SFP+	4 GE SFP/10GE SFP+
Switching Capacity	350Gbps	350Gbps	256Gbps	256Gbps	392Gbps
Packet Forwarding Rate	36Mpps	36Mpps	78Mpps	132Mpps	96Mpps
VLAN	Support	Support	Support	Support	Support
Link Aggregation	Support	Support	Support	Support	Support
Port Management	Flow Control , Speed Limit, Port Mirroring	Flow Control , Speed Limit, Port Mirroring	Port Mirroring	Port Mirroring	Flow Control , Speed Limit, Port Mirroring
Ring Network Protocol	STP/RSTP,ERPS	STP/RSTP,ERPS	STP, RSTP, MSTP	STP, RSTP, MSTP	STP/RSTP,ERPS
IGMP Snooping	Support	Support	Support	Support	Support
Static IP Routing	Support	Support	Support	Support	Support
Dynamic Routing	-	-	-	-	OSPF, RIP, BGP
VRRP	-	-	-	-	Support
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP
Working Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	0°C ~ +45°C (+32°F ~ +113°F)	0°C ~ +45°C (+32°F ~ +113°F)	-10°C ~ +55°C (+14°F ~ +131°F)
Dimensions (WxDxH)	440mm x285mm x44.5mm (17.3"x11.2"x1.7")	440mm x285mm x44.5mm (17.3"x11.2"x1.7")	440mm x238mm x44mm (17.3"x9.4"x1.7")	440mm x238mm x44mm (17.3"x9.4"x1.7")	440mm x285mm x44.5mm (17.3"x11.2"x1.7")

Core Switch

- Carrier-grade Availability Design
- High-performance IPv4/IPv6 Service Capabilities
- Three-plane Security Assurance Mechanisms
- IRF2




Core Switch

	S7602	S7606
Model		
Switching Capacity	5.12 Tbps or 12.8 Tbps	15.36Tbps/25.6Tbps
Packet Forwarding Rate	960 Mpps/2400 Mpps	2880 Mpps/12000 Mpps
Number of Service Slots	2	6
Redundancy Design	Redundancy of power sources and main control boards	Redundancy of power sources and main control boards
Layer 2 Features	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc	VLAN/STP/RSTP/MSTP/CoS/Flow Control/Link Aggregation/etc
IPv4 Routing	Support	Support
IPv6 Routing	Support	Support
Multicast	Support	Support
ACL	Support	Support
QoS	Support	Support
Security Mechanism	FTP/TFTP/SNMP/RMON	FTP/TFTP/SNMP/RMON
Reliability	CPU Protection/VRRP/RPR/DLCP	CPU Protection/VRRP/RPR/DLCP
Working Temperature	0°C ~ +45°C (+32°F~+113°F)	0°C ~ +45°C (+32°F~+113°F)
Dimensions (WxDxH)	436mm x 420mm x 175mm (17.2"x16.5"x6.9")	436mm x 420mm x 575mm (17.2"x16.5"x22.6")




Wireless Device




- Point-to-point, point-to-multi-point, back-to-back applications
- Up to 20 Km coverage
- TDMA technology ensures system reliability
- Easy installation and configuration



Outdoor Wireless Transmission Device

	5G Wireless CPE	5G Wireless Backhaul	
	PFM881	PFM886-10	PFM886-20
Model			
Fast/Gigabit Ethernet	2FE	1GE	1GE
Wireless Standard	IEEE802.11a/n	IEEE802.11a/n/ac	IEEE802.11a/n/ac
Working Frequency	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	867Mbps	867Mbps
Transmission Distance	0-3Km(0-9.8Kft)	0-10Km(0-32.8Kft)	0-20Km(0-65.6Kft)
Antenna Gain	15dBi	25dBi	29dBi
Polarization	Dual Linear: Horizontal 40°, vertical 15°	Dual Linear: Horizontal 11°, vertical 11°	Dual Linear: Horizontal 6°, vertical 6°
Tx Power Max	27dBm	27dBm	27dBm
Processor	MIPS 74K 560MHz	MIPS 74K 720MHz	MIPS 74K 720MHz
Memory	64MB DDR2, 8MB Flash	128MB DDR2, 16MB Flash	128MB DDR2, 16MB Flash
Proprietary Protocol	TDMA	TDMA	TDMA
Network Security	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering
Management	Web	Web	Web
Lightning Protection	-	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.5KV
Ingress Protection	IP65	IP66	IP66
Working Temperature	-30°C ~ + 70°C (-22 F ~ +158 F)	-30°C ~ + 70°C (-22 F ~ +158 F)	-30°C ~ + 70°C (-22 F ~ +158 F)
Power	Passive PoE (24V/0.5A)	PoE+ (802.3at)	PoE+ (802.3at)

Outdoor Wireless Transmission Device

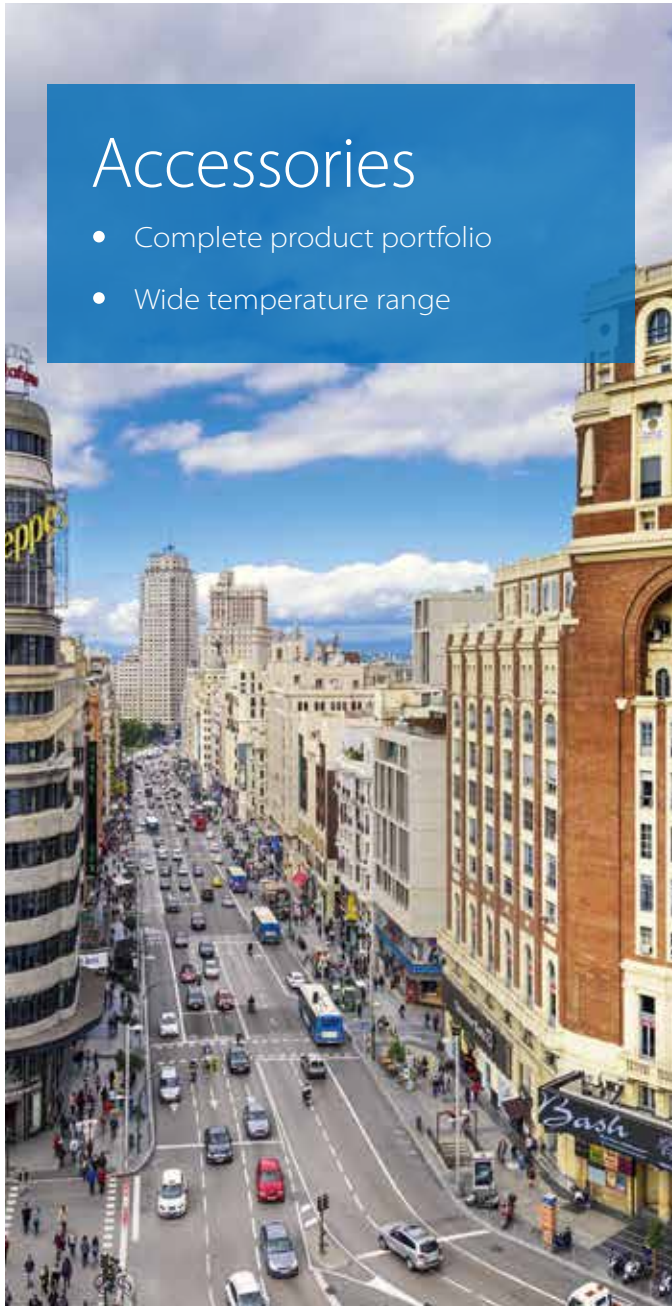
	5G Wireless AP			
	PFM880	PFM880E	PFM880-A	PFM880-M
Model				
Fast/Gigabit Ethernet	1GE	1GE	1GE	1GE
Wireless Standard	IEEE802.11a/n	IEEE802.11a/n/ac	IEEE802.11a/n/ac	IEEE802.11 a/n/ac IEEE802.11 b/g/n
Working Frequency	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	2.4G: 2412~2472MHz (extended range: 2312~2732MHz) 5G: 5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	867Mbps	867Mbps	2.4G: 300Mbps 5G: 867Mbps
Transmission Distance	0-3Km(0-9.8Kft)	0-3Km(0-9.8Kft)	0-1Km(0-3.3Kft)	2.4G: 0-200m(0-656.2ft) 5G: 0-5Km(0-16.4Kft)
Antenna Gain	16dBi	17dBi	12dBi	External 2.4GHz: 13dBi Internal 5GHz: 18dBi
Polarization	Dual Linear: Horizontal 90°, vertical 9°	Dual Linear: Horizontal 90°, vertical 9°	Dual Linear: Horizontal 360°, vertical 21°	Dual Linear: 2G: horizontal 360°, vertical 8°; 5G: horizontal 17°, vertical 17°;
Tx Power Max	30dBm	27dBm	27dBm	27dBm
Processor	MIPS 74K 560MHz	MIPS 74K 720MHz	MIPS 74K 720MHz	MIPS 74K 720MHz
Memory	64MB DDR2, 8MB Flash	128MB DDR2, 16MB Flash	128MB DDR2, 16MB Flash	128MB DDR2, 16MB Flash
Proprietary Protocol	TDMA	TDMA	TDMA	TDMA
Network Security	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering
Management	Web	Web	Web	Web
Lightning Protection	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.9KV	Common Mode 4KV Differential Mode 1.9KV	Common Mode 4KV Differential Mode 1.10KV
Ingress Protection	IP66	IP66	IP66	IP66
Working Temperature	-30°C ~ + 70°C (-22 F ~ +158 F)	-30°C ~ + 70°C (-22 F ~ +158 F)	-30°C ~ + 70°C (-22 F ~ +158 F)	-30°C ~ + 70°C (-22 F ~ +158 F)
Power	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

Indoor Wireless Transmission Device			
	2.4G Wireless AP for Elevator	2.4G&5G Wireless Ceiling AP	
Model	PFM885-I	PFM889-I	PFM889-IM
			
Fast/Gigabit Ethernet	3FE	3FE	2GE
Wireless Standard	IEEE802.11 b/g/n	IEEE802.11 b/g/n	IEEE802.11 a/n/ac IEEE802.11 b/g/n
Working Frequency	2412~2472Mhz (extended range: 2312~2732Mhz)	2412~2472Mhz (extended range: 2312~2732Mhz)	2.4G: 2412~2472Mhz (extended range: 2312~2732Mhz) 5G: 5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	300Mbps	2.4G: 300Mbps 5G: 867Mbps
Transmission Distance	0-500m(0-1640.4ft)	0-150m(0-492ft)	0-150m(0-492ft)
Antenna Gain	6dBi	3dBi	External 2.4G: 3dBi Internal 5G: 3dBi
Polarization	Dual Linear: Horizontal 65°, vertical 60°	Omni-directional	Omni-directional
Tx Power Max	27dBm	27dBm	27dBm
Processor	MIPS 24K 550MHz	MIPS 24K 550MHz	MIPS 74K 720MHz
Memory	64MB DRAM, 8MB Flash	64MB DRAM, 8MB Flash	64MB DDR2, 16MB Flash
Proprietary Protocol	-	-	-
Network Security	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering	WPA/WPA2, Hide SSID, IP/MAC Filtering
Management	Web	Web	Web
Lightning Protection	-	-	-
Ingress Protection	IP41	IP41	IP41
Working Temperature	-30°C ~ +70°C (-22°F ~ +158°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)
Power	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

Wireless For Home		
	Wi-Fi Router	Wi-Fi Extender
Model	WR1000-300	WE1000-300
		
Fast/Gigabit Ethernet	1FE WAN +3FE LAN	-
Memory	16MB	16MB
Protocols & Standards	IEEE802.11/b/g/n	IEEE802.11/b/g/n
Antennas	4X5dBi External Antennas	2X3dBi External Non-detachable
Frequency	2.4GHz	2.4GHz
Transmission Rate	300Mbps	300Mbps
LED Indicator	SYS, Wi-Fi, LAN 1, 2, 3, WAN, WPS	Wi-Fi Signal Strength LED
Button	1 Reset /WPS, 1 Wi-Fi	Reset Hole,WPS Button
WAN Connection Type	Dynamic IP; Static IP	-
Operating Mode	Router mode, WISP, Client+AP	Repeater Mode
VPN Pass-through	Support	-
DHCP Server	Support	Support
Wireless Security	WPA/WPA2-PSK+ AES/TKIP	WPA-PSK/WPA2-PSK+ AES/TKIP
Working Temperature	0°C~40°C (32°F ~ +104°F)	0°C~40°C (32°F ~ +104°F)
Dimensions (WxDxH)	171.3mmX171.3mmX36.4mm (6.7"x6.7"x1.4")	111mmX56mmX47.7mm (4.4"x2.2"x1.9")



Accessories




- Complete product portfolio
- Wide temperature range



PoE Midspan	PFT1200	PoE Extender	PFT1300	Ethernet Media Converter	OTE103	PFS3102-1T
Model						
Fast/Gigabit Ethernet	2GE	3FE	1FE	1GE		
SFP Slots	-	-	1FE FC	1GE SFP		
Switching Capacity	-	1.4G	1.4G	6.8G		
Packet forwarding rate	-	0.47Mpps	0.30Mpps	2.98Mpps		
Packet Buffer Memory	-	512Kb	512Kb	1Mb		
MAC Table Size	-	1K	1K	8K		
PoE Standard	PoE (802.3af), PoE+ (802.3at), Hi-PoE	PoE (802.3af), PoE+ (802.3at)	-	-		
PoE Budget	60W	-	-	-		
PoE PIN Assignment	1, 2, 4, 5(V+), 3, 6, 7, 8(V-)	4, 5(V+), 7, 8(V-)	-	-		
Lightning Protection	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV		
Working Temperature	-30°C ~ +60°C (-22°F ~ +140°F)	-30°C ~ +60°C (-22°F ~ +140°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +70°C (-40°F ~ +158°F)		
Dimensions (WxDxH)	150mmx70mmx39mm (5.9"x2.8"x1.5")	79mmx52mmx23mm (3.1"x2.0"x0.9")	104.6mmx96.2mmx29.5mm (4.1"x3.8"x1.2")	150mmx100mmx30mm (5.9"x3.9"x1.2")		





Accessories

Ethernet over Coax		
	LR1002	LR1002-1ET/LR1002-1EC
Model		
Interface	1FE+1*BNC	1FE+1*BNC
Transmission Bandwidth	RG59 coaxial cable: 400m/100 Mbps, 1000m/10 Mbps	RG59 coaxial cable: 400m/100 Mbps, 1000m/10 Mbps
PoE Standard	- (Based on the power input from the ePoE switch)	PoE (802.3af), PoE+ (802.3at)
Lightning Protection	Common Mode 6KV Differential Mode 2KV	Common Mode 4KV Differential Mode 2KV
Working Temperature	-40°C ~ +65°C (-40°F ~ +149°F)	-30°C ~ +65°C (-22°F ~ +149°F)
Dimensions(WxDxH)	56mm×27mm×21mm (2.2"×1.1"×0.8")	79mm×52mm×23mm (3.1"×2.0"×0.9")

Network Cables Series			
	Super 5 Types	6 Types	
	PFM920	PFM921	PFM922
Model			
Conductor	Bare copper, 1/0.5, 24AWGx4P	Bare copper, 1/0.56, 23AWGx4P	Copper clad aluminum, 1/0.56, 23AWGx4P
Insulation	HDPE, 0.9+/-0.05mm	HDPE, 1.0+/-0.05mm	HDPE, 1.0+/-0.05mm
Lay of Twisted Conductors	140mm	160mm	160mm
Jacket	PVC (65P), 5.2+/-0.1mm	PVC (65P), 6.5+/-0.1mm	PVC (65P), 6.5+/-0.1mm
Max. DC Resistance	9.5Ω/100m	6.58Ω/100m	28Ω/100m
Max. Attenuation	22dB/100m, 100MHz	18dB/100m, 100MHz	18dB/100m, 100MHz
Rated Voltage	300V	300V	300V
Bandwidth	100MHz	250MHz	250MHz
Working Temperature	0°C ~ +70°C (+32°F ~ +158°F)	0°C ~ +70°C (+32°F ~ +158°F)	0°C ~ +70°C (+32°F ~ +158°F)
Carried Standard	TIA/EIA-568B	TIA/EIA-568B	TIA/EIA-568B
Packaging Length	305m trolley case packaging	305m trolley case packaging	305m trolley case packaging

Optical Module					
	PFT3910	PFT3920	PFT3960	PFT3970	PFT3900
Model					
Data Rate	155Mbps	155Mbps	1.25Gbps	1.25Gbps	155Mbps
Interface	LC	LC	LC	LC	LC
Transmission Distance	20km	20km	20km	20km	2km
Transmission Medium	Single-mode	Single-mode	Single-mode	Single-mode	Multi-mode
Wavelength	1310nm/1550nm	1550nm/1310nm	1310nm/1550nm	1550nm/1310nm	850nm
Sensitivity	≤-32dBm	≤-32dBm	≤-23dBm	≤-23dBm	≤-25dBm
Operating Voltage	3.3V	3.3V	3.3V	3.3V	3.3V
Output Power	-14dBm~-8dBm	-14dBm~-8dBm	-9dBm~-2dBm	-9dBm~-2dBm	-10dBm~-3dBm
Working Temperature	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Dimensions(WxDxH)	13.7mmx56.5mmx8.95mm (0.5"x2.2"x0.4")	13.7mmx56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")

Accessories

Optical Module				
	PFT3950	PFTOTSFP-1270R-20-SMF	PFTOTSFP-1270T-20-SMF	PFTOTSFP-850-MMF
Model				
Data Rate	1.25Gbps	10Gbps	10Gbps	10Gbps
Interface	LC	LC	LC	LC
Transmission Distance	500m	20km	20km	300m
Transmission Medium	Multi-mode	Single-mode	Single-mode	Multi-mode
Wavelength	850nm	1330nm/1270nm	1270nm/1330nm	850nm
Sensitivity	≤-23dBm	-14.5dBm	-14.5dBm	-11dBm
Operating Voltage	3.3V	3.3V	3.3V	3.3V
Output Power	-9.5dBm~-3dBm	-3~-2dBm	-3~-2dBm	-6.5~-0.5dBm
Working Temperature	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Dimensions(WxDxH)	13.7mm x56.5mm x8.95mm (0.5"x2.2"x0.4")	13.8mm x56.5mm x8.45mm (0.5"x2.2"x0.3")	13.8mm x56.5mm x8.45mm (0.5"x2.2"x0.3")	13.8mm x56.5mm x8.45mm (0.5"x2.2"x0.3")



Intelligent Building Transmission Solution

With the development of technology, Video Intercom has been widely used in intelligent building. Dahua Video Intercom Systems are used to provide video and voice communications between two or more locations for security purpose. Dahua transmission products with industry-grade design offer high product reliability with best cost performance .

Solution Features

- Tailored transmission system for video intercom
- Open, standard and scalable
- Unified management
- Industrial-grade switch
- Long distance transmission

Topology



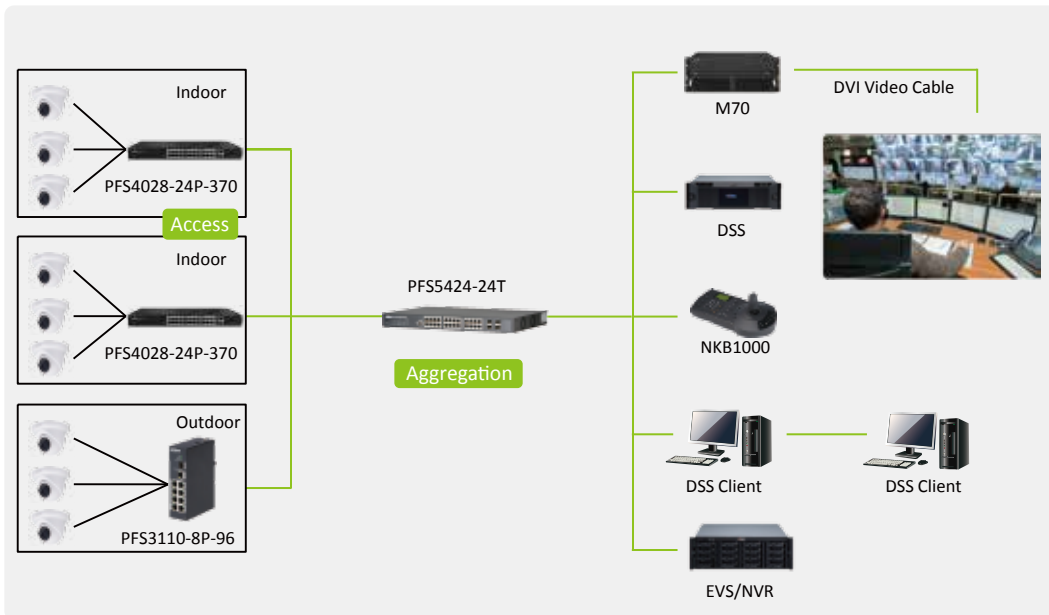
Mall Solution

Open, standard and scalable are three major characteristics of an IP CCTV system. Transmission product is applied as an important bridge which perfectly connects IP cameras and NVRs in applications such as shopping mall, supermarket, etc. Besides the wide range of transmission products, Dahua also offers perfect network scalability and reliable product quality in different applications.

Solution Features

- Open, standard and scalable
- Unified management
- PoE power supply
- Industrial-grade switch

Topology





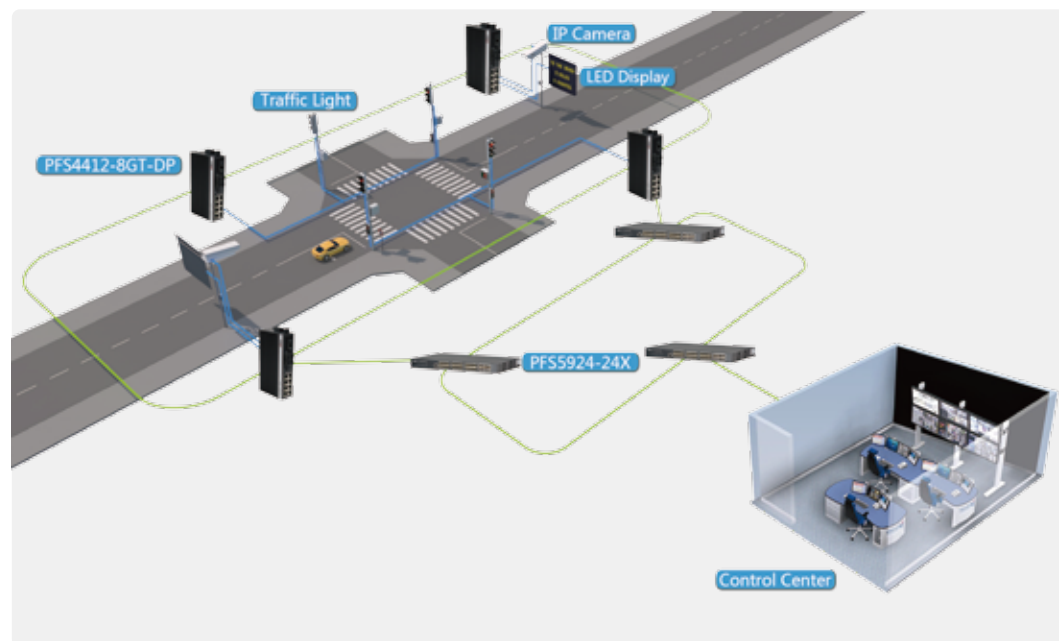
Intelligent Transportation System

Road congestion and safety trouble us a lot in modern life. Fortunately, ITS (Intelligent Transportation System) is able to achieve safer and more efficient transportation via monitoring and transmitting real-time road condition which will help react to any unexpected incident as soon as possible. Dahua industrial switch, with its powerful hardware and software features, can be better applied to harsh outdoor environment, which is ideal for ITS solution.

Solution Features

- High Lightning Protection
- IP40 Full-Metal Shell, fully enclosed dust-proof
- Wide Temperature Range Design: -40°C ~+85°C

Topology



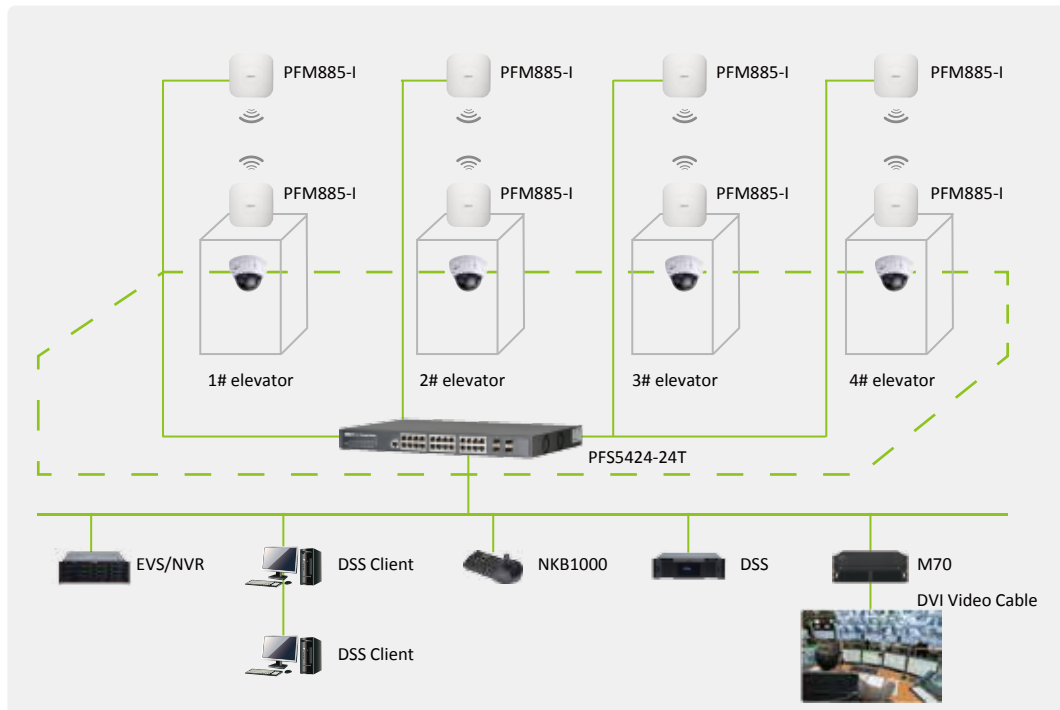
Elevator Solution

The elevator safety problem has gradually become the focus of all walks of life and media. The product can be applied for monitoring video transmission inside the elevator. The return link of data can be realized by relying on the current property management network or installing outdoor wireless device.

Solution Features

- Point-to-point application
- Up to 500m distance
- TDMA technology ensures system reliability
- Easy installation and configuration

Topology





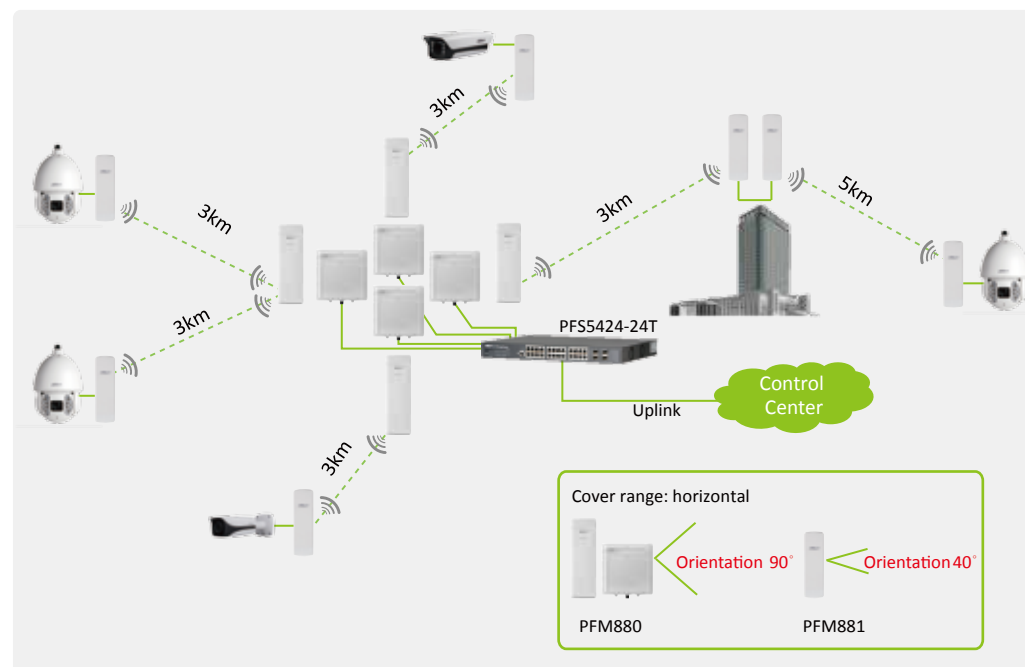
5G Wireless Transmission Solution

Access technology varies to meet different applications. Wireless technology is widely used in scenarios such as farms, construction sites, remote areas etc to supplement the existing cable infrastructure. Dahua 5G wireless solution offers you wide coverage, multiple topology application and easy installation to meet different needs with best cost performance.

Solution Features

- Point-to-point, point-to-multi-point, back-to-back applications
- Up to 20 Km coverage
- TDMA technology ensures system reliability
- Advanced rate control algorithm can quickly adapt to channel quality change
- Easy installation and configuration

Topology



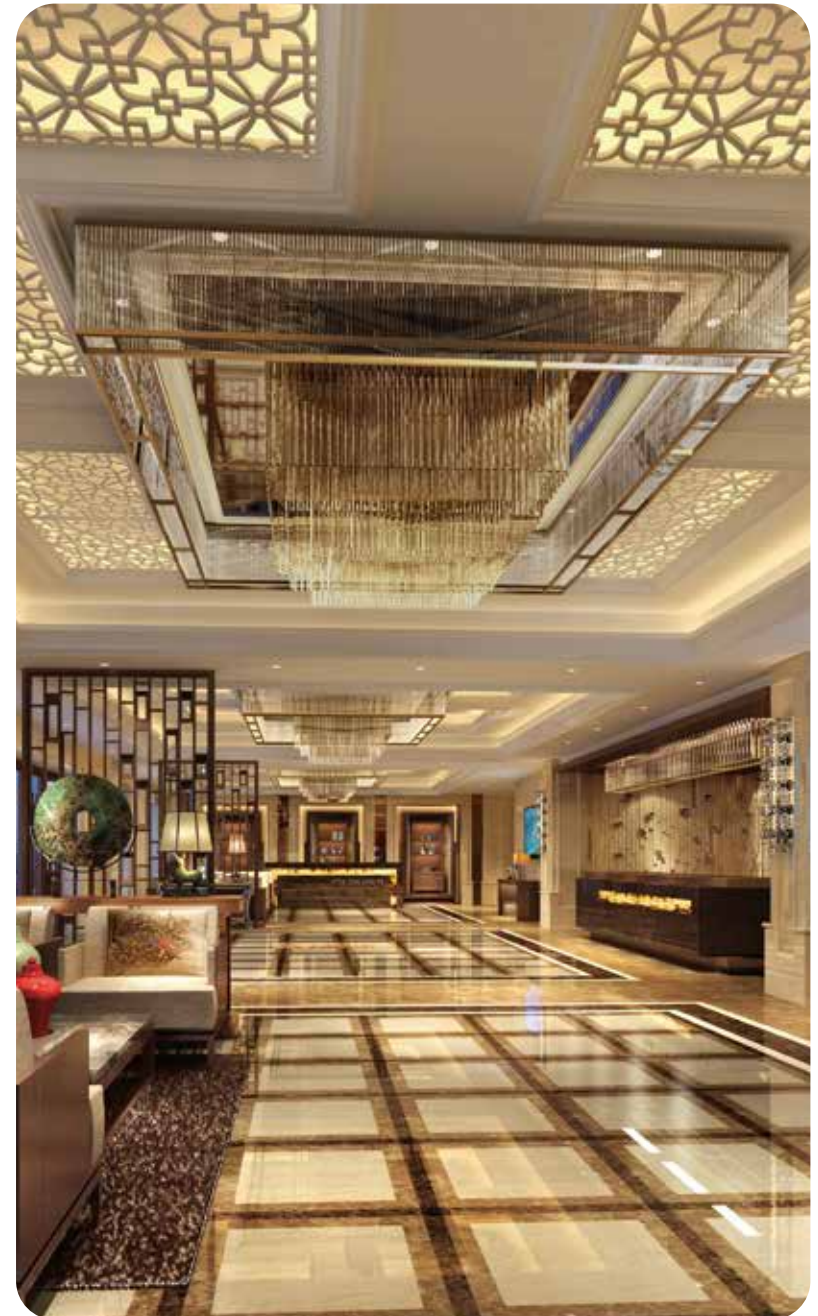
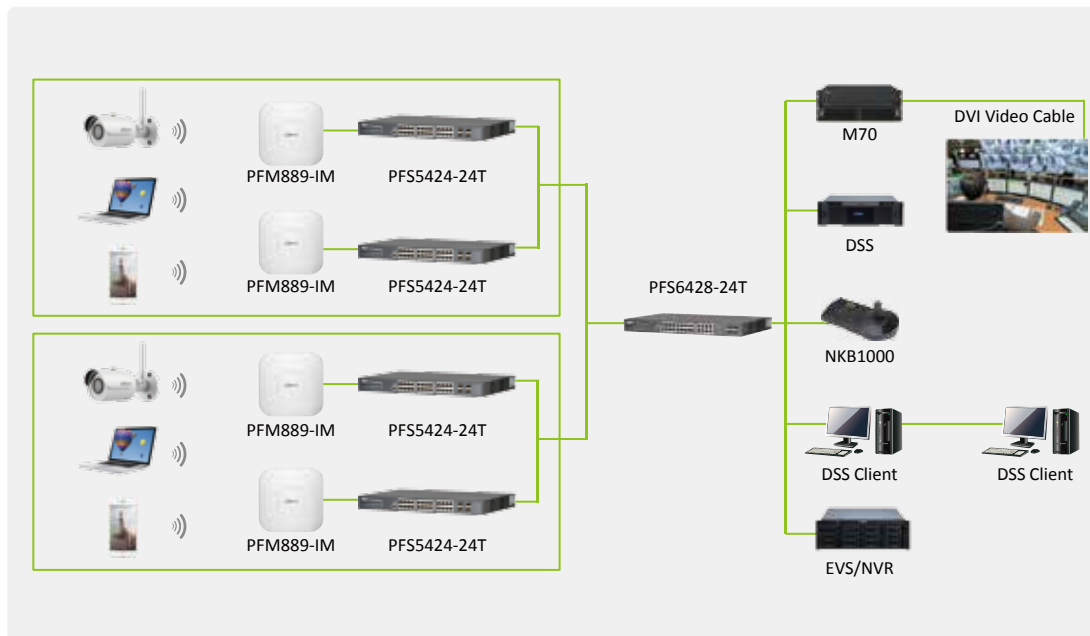
Wireless Indoor Coverage Solution

The product can provide excellent wireless signal coverage, which can be widely applied in various indoor scenes, such as hotel, office, meeting room, coffee shop, restaurant, hospital lobby, airport hall and other areas with high people density.

Solution Features

- Omni-directional coverage application
- The best coverage: 0-150m (0-492ft) (open)
- TDMA technology ensures system reliability
- Easy installation and configuration
- Ceiling mount

Topology





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* Design and specifications are subject to change without notice.

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