

TRANSMISSION





Transmission

Dahua has a complete product lineup and mature network solution design capabilities in networking. From wired to wireless, it can provide different products and solutions for various applications such as safe cities, enterprises, parks, streets, shops, etc. These solutions have been commercially applied in more than 100 countries and regions around the world.



Wide Working Temperature Design

The Dahua industrial PoE switch can function normally in a wide range of extreme temperatures from -40 to 75°C.



High Speed and Bandwidth

Dahua aggregation and core switches offer high bandwidth and are available in a wide range of port configurations including 1G, 10G, and 40G.



High Availability

Dual power redundancy, ring network and three-plane security assurance mechanisms IRF2 guarantee the reliability of the network.










Unified Management


Dahua iLinksView network management platform greatly simplifies network operation and maintenance in CCTV network.

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PoE Switches

	Industrial PoE Switch					All-Gigabit PoE Switch	
Model	PFS4204-2GT-DP	PFS4207-4GT-DP	PFS4210-8GT-DP	PFS4410-6GT-DP	PFS4420-16GT-DP	PFS4210-8GT-150	PFS4212-8GT-96
Appearance							
Fast/Gigabit Ethernet	2GE PoE	4GE PoE+1GE	8GE PoE	6GE PoE	16GE PoE	8GE PoE	8GE PoE+2GE
SFP Slots	2GE SFP	2GE SFP	2GE SFP	4GE SFP	4GE SFP	2GE SFP	2 GE SFP
Switching Capacity	14Gbps	14Gbps	28Gbps	28Gbps	54Gbps	20Gbps	52Gbps
Packet Forwarding Rate	5.95Mpps	10.42Mpps	14.88Mpps	14.88Mpps	28.28Mpps	14.88Mpps	17.856 Mpps
Packet Buffer Memory	1.75Mb	1.75Mb	4Mb	4Mb	4Mb	4.1Mb	4Mb
MAC Table Size	4K	4K	8K	8K	8K	8K	8K
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)	PoE (802.3af) PoE+ (802.3at), Hi-PoE
PoE Budget	≤120W	≤120W	≤120W	≤120W	≤240W	150W	96W
Long Distance PoE Transmission	--	--	--	--	--	--	--
VLAN	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Management	Web	Web	Web	Web	Web	Web	Web
Lightning Protection	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 6KV Differential Mode 4KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV
Working Temperature	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	-40°C ~ +75°C (-40°F ~ +167°F)	0°C ~ +45°C (32°F ~ +113°F)	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	103mm×135mm×53mm (4.1"×5.3"×2.1")	103mm×135mm×53mm (4.1"×5.3"×2.1")	175mm×134mm×53mm (6.9"×5.3"×2.1")	175mm×134mm×53mm (6.9"×5.3"×2.1")	175mm×134mm×75mm (6.9"×5.3"×3")	340mm ×200mm ×44mm (13.4"×7.9"×1.7")	220mm × 135mm × 30mm (8.67"×5.31"×1.18")

PoE Switches



Model	All-Gigabit PoE Switch				ePoE Switch		
	PFS4218-16GT-190/240	PFS4226-24GT-240/360	PFS4420-16GT-240	PFS4428-24GT-370	LR2110-8ET-120	LR2218-16ET-240	LR2226-24ET-360
Appearance							
Fast/Gigabit Ethernet	16GE PoE	24GE PoE	16GE PoE	24GE PoE	8FE ePoE+1GE	8FE ePoE+8FE PoE+2GE (Combo)	8FE ePoE+16FE PoE+2GE (Combo)
SFP Slots	2GE SFP	2GE SFP	4GE SFP	4GE SFP	1GE SFP	2GE SFP (Combo)	2GE SFP (Combo)
Switching Capacity	52Gbps	52Gbps	40Gbps	56Gbps	8.8Gbps	8.8Gbps	8.8Gbps
Packet Forwarding Rate	23.81Mpps	38.688Mpps	29.76Mpps	41.66Mpps	4.17Mpps	5.36Mpps	6.55Mpps
Packet Buffer Memory	4Mb	4Mb	4.1Mb	4.1Mb	2.75Mb	2.75Mb	2.75Mb
MAC Table Size	8K	8K	8K	8K	4K	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)	PoE (802.3af) PoE+ (802.3at)	PoE (802.3af) PoE+ (802.4at), Hi-PoE	PoE (802.3af) PoE+ (802.5at), Hi-PoE	PoE (802.3af) PoE+ (802.6at), Hi-PoE
PoE Budget	190W/240W	240W/360W	240W	370W	120W	240W	360W
Long Distance PoE Transmission	--	--	--	--	Yes (800 meters)	Yes (800 meters)	Yes (800 meters)
VLAN	Supported	Supported	Supported	Supported	--	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	--	Supported	Supported
Flow Control	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Spanning Tree	Supported	Supported	Supported	Supported	--	Supported	Supported
Management	Web	Web	Web	Web	--	Web	Web
Lightning Protection	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV Differential Mode 1KV	Common Mode 2KV	Common Mode 2KV	Common Mode 4KV Differential Mode 2KV	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)	0°C ~ +45°C (32°F~+113°F)	0°C ~ +45°C (32°F~+113°F)	-30°C~ +65°C (-22°F~+149°F)	-10°C ~ +55°C (14°F~+131°F)	-10°C ~ +55°C (14°F~+131°F)
Dimensions (WxDxH)	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm x330mm x44mm (17.3"×13.0"×1.7")	440mm x330mm x44mm (17.3"×13.0"×1.7")	150mm×100mm×42mm (5.9"×3.9"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")

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Aggregation Switch

L2+ Switch

Model	PFS5424-24T	PFS5428-24GT	PFS5936-24GF8GT4XF	PFS5924-24X	S5500-24GF4XF	S5500-48GT4GF-AC	S5500-48GT4XF
Appearance							
Fast/Gigabit Ethernet	20GE+4GE (Combo)	24GE	8GE	8GE (Combo)	8GE (Combo)	48GE	48GE
SFP Slots	4GE SFP (Combo)	4x10G SFP+	24GE SFP+4x10G SFP+	16GE SFP+8GE SFP (Combo)	16GE SFP+8GE SFP (Combo)+4x10G SFP+	4GE SFP	4x10G SFP+
Switching Capacity	350Gbps	128Gbps	221Gbps	350Gbps	256Gbps	256Gbps	256Gbps
Packet Forwarding Rate	36Mpps	96Mpps	107Mpps	36Mpps	96Mpps	78Mpps	132Mpps
VLAN	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Link Aggregation	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Port Management	Flow Control, Speed Limit, Port Mirroring	Flow Control, Speed Limit, Port Mirroring	Flow Control, Speed Limit, Port Mirroring	Flow Control, Speed Limit, Port Mirroring	Flow Control, Speed Limit, Port Mirroring	Port Mirroring	Port Mirroring
Ring Network Protocol	STP, RSTP, ERPS	STP, RSTP, ERPS	STP, RSTP, MSTP, PVST	STP, RSTP, ERPS	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
IGMP Snooping	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Static IP Routing	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Dynamic Routing	--	--	--	--	--	--	--
VRRP	--	--	--	--	--	--	--
Management	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	Web, CLI, SNMP	CLI, SNMP	CLI, SNMP	CLI, SNMP
Working Temperature	-10°C ~ +55°C (14°F ~ +131°F)	-20°C ~ +55°C (-4°F ~ +131°F)	-20°C ~ +55°C (-4°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)	0°C ~ +45°C (32°F ~ +113°F)
Dimensions (WxDxH)	440mm×285mm×44.5mm (17.3"×11.2"×1.7")	440mm×300mm×44mm (17.3"×11.8"×1.7")	440mm x285mm x44.5mm (17.3"×11.2"×1.7")	440mm×285mm×44.5mm (17.3"×11.2"×1.7")	440mm×360mm×43.6mm (17.3"×14.2"×1.7")	440mm×238mm×44mm (17.3"×9.4"×1.7")	440mm×238mm×44mm (17.3"×9.4"×1.7")


Core Switch		
	Core Switch	
Model	S7602	S7606
Appearance		
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	Supported	Supported
IPv6 Routing	Supported	Supported
Multicast	Supported	Supported
ACL	Supported	Supported
QoS	Supported	Supported
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×420mm×175mm (17.2"×16.5"×6.9")	436mm×420mm×575mm (17.2"×16.5"×22.6")




iLinksView Network Management Platform	
	iLinksView Network Management Platform
Model	ILS1000
Appearance	
Interface	2GE + 4USB + 1 HDMI + 1 VGA
Intelligent Analytics	Switch Statistics Port Bandwidth Occupancy Alarm Statistics Switch Run Time
Dynamic View	Device visualization Link visualization Bandwidth visualization Real-time alarm Auto-generated topology
Network Management	Displays the detailed information of switches, such as name, mode, SN, IP, MAC and status
Alarm Message	Supports IP conflict alarm, switch status alarm, terminal status alarm, loopback alarm, and port congestion alarm
Lightning Protection	Common Mode 8KV Differential Mode 6KV
Working Temperature	-10°C ~ +55°C (14°F ~ +131°F)
Dimensions (WxDxH)	155 mm×135 mm×30 mm (6.10" × 5.31"×1.18")




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Outdoor Wireless Transmission Device

	5G Wireless CPE			5G Wireless AP		5G Wireless Backhaul	
Model	PFM881	PFM881-L	PFM881E	PFM880	PFM880E	PFM886-15	PFM886-20
Appearance							
Fast/Gigabit Ethernet	2FE	2FE	1GE	1GE	1GE	1GE	1GE
Wireless Standard	IEEE802.11a/n	IEEE802.11a/n	IEEE802.11a/n/ac	IEEE802.11a/n	IEEE802.11a/n/ac	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)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)	5745~5825MHz (extended range: 4920~6100MHz)
Wireless Speed	300Mbps	300Mbps	867Mbps	300Mbps	867Mbps	867Mbps	867Mbps
Transmission Distance	0-3Km (0-9.8Kft)	0-1.5km (0-4.9Kft)	0-3Km (0-9.8Kft)	0-3Km (0-9.8Kft)	0-3Km (0-9.8Kft)	0-15Km (0-49.2Kft)	0-20Km (0-65.6Kft)
Antenna Gain	15dBi	12dBi	18dBi	16dBi	17dBi	23dBi	29dBi
Polarization	Dual Linear: Horizontal 40°, vertical 15°	Dual Linear: Horizontal 35°, vertical 35°	Dual Linear: Horizontal 17°, vertical 17°	Dual Linear: Horizontal 90°, vertical 9°	Dual Linear: Horizontal 90°, vertical 9°	Dual Linear: Horizontal 10°, vertical 10°	Dual Linear: Horizontal 6°, vertical 6°
Tx Power Max	27dBm	24dBm	24dBm	30dBm	27dBm	27dBm	27dBm
Proprietary Protocol	TDMA	TDMA	TDMA	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	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	Web	Web	Web
Lightning Protection	--	--	--	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.9KV	Common Mode 4KV Differential Mode 1.5KV	Common Mode 4KV Differential Mode 1.5KV
Ingress Protection	--	--	IP66	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)	-30°C ~ +70°C (-22°F ~ +158°F)	-30°C ~ +70°C (-22°F ~ +158°F)	-30°C ~ +70°C (-22°F ~ +158°F)
Dimensions (WxDxH)	270mm×83mm×50mm (10.6"×3.3"×2.0")	140mm×92mm×31.8mm (5.5"×3.6"×1.3")	200mm×200mm×50mm (10.6"×3.3"×2.0")	265mm×265mm×87.5mm (Device) (10.4"×10.4"×3.4") 450mm×140mm×35mm (Antenna) (17.7"×5.5"×1.4")	265mm×265mm×87.5mm (Device) (10.4"×10.4"×3.4") 450mm×166mm×60mm (Antenna) (17.7"×6.5"×2.4")	240mm×Ø373mm (Ø9.4"×14.7")	265mm×265mm×87.5mm (10.4"×10.4"×3.4") Ø520mm (Ø20.5")
Power	Passive PoE (24V/0.5A)	Passive PoE (24V/0.5A)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

Outdoor Wireless Transmission Device	
	4G Router
Model	WM4700-O
Appearance	
LAN Port	4FE
WAN Port	1FE
Wi-Fi	802.11b/g: Up to 54 Mbps 802.11n: Up to 150 Mbps
Network Mode	Southeast Asia version: B1/B3/B5/B8/B38/B39/B40/B41 Oceania and North American version: B1/B2/B3/B4/B5/B7/B8/B28/B40 European version: B1/B3/B5/B7/B8/B20/B38/B40/B41
Antenna	Cellular: 2 standard SMA female ports with impedance of 50Ω Wi-Fi: 1 standard SMA male port with impedance of 50Ω
WAN Connection Modes	Static IP, DHCP, PPPOE and 4G
SIM/UIM Card Port	1.8V/3V SIM/UIM card
Encryption	WEP, WPA and WPA2
Working Temperature	-35°C ~ +75°C (-31°F~+167°F)
Dimension	207mm×135mm×28mm (8.15"×5.31"×1.10")
Power	DC 12V/1.5A

Indoor Wireless Transmission Device			
	2.4G Wireless AP for Elevator	2.4G&5G Wireless Ceiling AP	
Model	PFM885-I	PFM889-I	PFM889-IM
Appearance			
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
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)
Dimensions (WxDxH)	150mm×150mm×36mm (5.9"×5.9"×1.4")	150mm×150mm×43mm (5.9"×5.9"×1.7")	150mm×150mm×43mm (5.9"×5.9"×1.7")
Power	PoE+ (802.3at)	PoE+ (802.3at)	PoE+ (802.3at)

DIN Rail Power Supply			
Model	EDP-75-48	DRL-48V120W1AAD	EDP-240-48
Appearance			
Output Power	75W	120W	240W
Input Voltage Range	90-264Vac	85-264Vac	90-264Vac
Input Frequency Range	47-63Hz	47-63Hz	47-63Hz
Output Voltage Range	48~55Vdc	44-56Vdc	48~53Vdc
Dimensions (LxWxD)	126 mm×34.5 mm×101.5 mm (4.96"×1.36"×4.00 ")	123.6 mm×40 mm×117.6 mm (4.86"×1.57"×4.62 ")	124 mm×62 mm×119 mm (4.88"×2.44"×4.69 ")

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Accessories

SFP Module

Model	PFT3910	PFT3920	PFT3960	PFT3970	PFT3900	PFT3950	PFTOTSFP-1270R-20-SMF	PFTOTSFP-1270T-20-SMF	PFTOTSFP-850-MMF
Appearance									
Data Rate	155Mbps	155Mbps	1.25Gbps	1.25Gbps	155Mbps	1.25Gbps	10Gbps	10Gbps	10Gbps
Interface	LC	LC	LC	LC	LC	LC	LC	LC	LC
Transmission Distance	20km	20km	20km	20km	2km	500m	20km	20km	300m
Transmission Medium	Single-mode	Single-mode	Single-mode	Single-mode	Multi-mode	Multi-mode	Single-mode	Single-mode	Multi-mode
Wavelength	1310nm/1550nm	1550/1310nmnm	1310nm/1550nm	1550/1310nmnm	850nm	850nm	1330nm/1270nm	1270nm/1330nm	850nm
Sensitivity	≤-32dBm	≤-32dBm	≤-23dBm	≤-23dBm	≤-25dBm	≤-23dBm	-14.5dBm	-14.5dBm	-11dBm
Operating Voltage	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V	3.3V
Output Power	-14~-8dBm	-14~-8dBm	-9~-2dBm	-9~-2dBm	-10~-3dBm	-9.5~-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)	-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)	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm ×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.7mm ×56.5mm ×8.95mm (0.5"×2.2"×0.4")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")	13.8mm×56.5mm ×8.45mm (0.5"×2.2"×0.3")