SFP POE SWITCH FACTORY

PoE switches, injectors, splitters and extenders

PoE Product Guide 2026 Edition

70 models across four families: switches, extenders, splitters and injectors.
Every specification here comes from our current production data and is re-checked against the model photographs, page by page.

IEEE 802.3af / 802.3at / 802.3bt · 4 to 24 ports · 30 W to 400 W supply
OEM and ODM manufacturing with custom branding, packaging and model numbers.

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PoE Switches

20 models. Powered ports, uplink configuration and total power supply. Budget is shared by all powered ports, not a per-port allowance.

Model	Description	PoE ports	Speed	Uplink	Budget	VLAN	Size L×W×H
HX-0402PE	4+2-Port 100M PoE Switch	4	100M	2×RJ45	65W	Yes	190×125×38
HX-0403PEG	4+2+1-Port Gigabit PoE Switch	4	Gigabit	2×RJ45 + 1×SFP	65W	Yes	190×125×38
HX-0802PE	8+2-Port 100M PoE Switch	8	100M	2×RJ45	120W	Yes	190×125×38
HX-0803PE	8+2+1-Port 100M PoE Switch	8	100M	2×RJ45 + 1×SFP	120W	Yes	190×125×38
HX-0803PEG	8+2+1-Port Gigabit PoE Switch	8	Gigabit	2×RJ45 + 1×SFP	120W	Yes	190×125×38
HX-1603PE	16+2+1-Port 100M PoE Switch	16	100M	2×RJ45 + 1×SFP	330W	Yes	310×180×44
HX-1603PEG	16+2+1-Port Gigabit PoE Switch	16	Gigabit	2×RJ45 + 1×SFP	330W	Yes	310×180×44
HX-2404PE	24+2+2-Port 100M PoE Switch	24	100M	2×RJ45 + 2×SFP	400W	Yes	486×190×44
HX-2404PEG	24+2+2-Port Gigabit PoE Switch	24	Gigabit	2×RJ45 + 2×SFP	400W	No	486×190×44
HX-D0802PE	8+2-Port 100M PoE Switch	8	100M	2×RJ45	120W	Yes	185×118×43
HX-M0402PE	All-in-One 4+2-Port 100M PoE Switch	4	100M	2×RJ45	65W	Yes	133×115×35 cable:1m
HX-X0402PE	4+2-Port 100M PoE Switch	4	100M	2×RJ45	65W	Yes	130×120×35
HX-X0402PEG	4+1+1-Port Gigabit PoE Switch	4	100M	1×RJ45 + 1×SFP	65W	No	130×120×35
HX-X0802PE	8+2-Port 100M PoE Switch	8	100M	2×RJ45	120W	Yes	200×140×45
HX-X0802PG	8+2-Port 100M PoE Switch	8	100M	2×RJ45	120W	Yes	200×140×45
HX-X0803PEG	8+2+1-Port Gigabit PoE Switch	8	Gigabit	2×RJ45 + 1×SFP	120W	No	200×140×45
HX-X1603PE	16+2+1-Port 100M PoE Switch	16	100M	2×RJ45 + 1×SFP	200W	Yes	310×180×45
HX-X1603PEG	16+2+1-Port Gigabit PoE Switch	16	Gigabit	2×RJ45 + 1×SFP	200W	No	310×180×45
HX-X2403PE	24+2+1-Port 100M PoE Switch	24	100M	2×RJ45 + 1×SFP	300W	Yes	310×180×45
HX-X2403PEG	24+2+1-Port Gigabit PoE Switch	24	Gigabit	2×RJ45 + 1×SFP	300W	No	310×180×45

PoE Extenders

20 models. Repeater units that rebuild both data and power, so a run can pass the 100 m copper limit without a mid-span switch.

Model	Description	Standard	Max power	Speed	Wire pairs	Output pinout
HX-FSPOE101	Waterproof 1-in 1-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-FSPOE101/G	Waterproof 1-in 1-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-FSPOE102	Waterproof 1-in 2-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-FSPOE102/G	Waterproof 1-in 2-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-FSPOE102A	Waterproof 1-in 2-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-FSPOE102A/P	Waterproof 1-in 2-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-FSPOE103	Waterproof 1-in 3-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-FSPOE103/G	Waterproof 1-in 3-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-FSPOE104	Waterproof 1-in 4-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-FSPOE104/G	Waterproof 1-in 4-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-POE102	1-in 2-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-POE102/G	1-in 2-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-POE102B	1-in 2-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-POE102B/G	1-in 2-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-POE102H	1-in 2-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-POE102H/G	1-in 2-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-POE103	1-in 3-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-POE103/G	1-in 3-out Gigabit PoE Extender	IEEE802.3af/at	30W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-)
HX-POE104	1-in 4-out PoE Extender	IEEE802.3af/at	30W(max.)	10/100Mbps	1/2,3/6	12(+)/36(-)
HX-POE104/G	1-in 4-out Gigabit PoE Extender	IEEE802.3af/at/bt	90W(max.)	10/100/1000…	1/2,3/6,4/5,7/8	12(+)/36(-) or 45(+…

PoE Splitters

22 models. Separate DC power from a standard PoE line for devices that have their own power inlet. Output must match the device label.

Model	Description	PoE input	Output	Connector	Speed	Pin mode
HX-PD024BT	BT Protocol PoE Splitter	DC44V-57V	DC24V/3A	5.5×2.1mm	10/100/1000M...	12/36 + 45/78
HX-PD02S	48V to 12V Standard PoE Splitter	DC44V-57V	DC12V/1.2A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD02S-G	48V to 12V Standard Gigabit PoE Split...	DC44V-57V	DC12V/1.2A	5.5×2.1mm	10/100/1000M...	12/36 or 45/78
HX-PD02SAT	48V to 12V 2A Standard PoE Splitter	DC44V-57V	DC12V/2A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD02SBT	BT Protocol PoE Splitter	DC44V-57V	DC12V/6A	5.5×2.1mm	10/100/1000M...	12/36 + 45/78
HX-PD02SFS	Waterproof 48V to 12V Standard PoE ...	DC44V-57V	DC12V/1.2A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD03S	48V to 12V PoE Splitter (Non-isolated)	DC44V-57V	DC12V/1.2A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD04S	48V to 9V Standard PoE Splitter	DC44V-57V	DC9V/1.3A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD05S	48V to 5V Standard PoE Splitter	DC44V-57V	DC5V/2.4A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD05SM	48V to 5V Standard PoE Splitter	DC44V-57V	DC5V/2.4A	3.5×1.35mm	10/100Mbps	12/36 or 45/78
HX-PD06SFS	Waterproof 48V to 12V PoE Splitter (N...	DC44V-57V	DC12V/1A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD06SFS-B	Waterproof 48V to 12V Standard PoE ...	DC44V-57V	DC12V/1A	5.5×2.1mm	10/100Mbps	12/36 or 45/78
HX-PD06SFS-G	Waterproof 48V to 12V Gigabit PoE Sp...	DC44V-57V	DC12V/1A	5.5×2.1mm	10/100/1000M...	12/36 or 45/78
HX-PD07S	48V to 5V Standard PoE Splitter	DC44V-57V	DC5V/2.4A	Micro USB	10/100Mbps	12/36 or 45/78
HX-PD07S-G	48V to 5V Standard Gigabit PoE Splitter	DC44V-57V	DC5V/2.4A	Micro USB	10/100/1000M...	12/36 or 45/78
HX-PD08S	48V to 5V Standard PoE Splitter	DC44V-57V	DC5V/2.4A	Type-C	10/100Mbps	12/36 or 45/78
HX-PD08S-G	48V to 5V Standard Gigabit PoE Splitter	DC44V-57V	DC5V/2.4A	Type-C	10/100/1000M...	12/36 or 45/78
HX-PD08SAT-G	48V to 5V Standard Gigabit PoE Splitter	DC44V-57V	DC5V/3.5A	Type-C	10/100/1000M...	12/36 or 45/78
HX-PD09S	48V to 5V Standard PoE Splitter	DC44V-57V	DC5V/2.4A	USB female	10/100Mbps	12/36 or 45/78
HX-PD10SFS	Waterproof 24V to 12V Non-standard ...	DC15V-24V	DC12V/1A	5.5×2.1mm	10/100Mbps	45/78
HX-PDG05	48V to 5V Standard Gigabit PoE Splitter	DC44V-57V	DC5V/4A	5.5×2.5mm(ot...	10/100/1000M...	12/36 or 45/78
HX-PDG12	48V to 12V Standard Gigabit PoE Split...	DC44V-57V	DC12V/2A	5.5×2.5mm(ot...	10/100/1000M...	12/36 or 45/78

PoE Injectors

8 models. Add PoE to a single cable run without replacing the switch. Check the speed rating: a 10/100 injector caps a gigabit link.

Model	Description	Speed	Standard	Wire pairs	Pinout	Input
HX-P2410	24V Non-standard PoE Injector	10/100Mbps	—	1/2,3/6	45(+)/78(-)	AC100–240V
HX-P4805	48V Non-standard PoE Injector	10/100Mbps	—	1/2,3/6	45(+)/78(-)	AC100–240V
HX-P4805G	Gigabit 48V Non-standard PoE Injector	10/100/1000...	—	1/2,3/6,4/5,...	45(+)/78(-)	AC100–240V
HX-PD024BFS	48V to 24V PoE Converter	10/100/1000...	—	—	—	DC44V-57V
HX-PD24BF	48V to 24V PoE Converter	10/100/1000...	—	—	—	DC44V-57V
HX-PG30	Gigabit 30W Standard PoE Injector	10/100/1000...	IEEE802.3af/at	1/2,3/6,4/5,...	12(+)/36(-) o...	AC100–240V
HX-PG60	Gigabit 60W Standard PoE Injector	10/100/1000...	IEEE802.3af/at...	1/2,3/6,4/5,...	12(+)/36(-) a...	AC100–240V
HX-PG90	Gigabit 90W Standard PoE Injector	10/100/1000...	IEEE802.3af/at...	1/2,3/6,4/5,...	12(+)/36(-) a...	AC100–240V

Reading this guide

Ports. On switches the PoE ports figure is the number of powered ports; uplinks are listed separately as RJ45 and SFP. A 24-port switch with 2xRJ45 and 2xSFP uplinks therefore carries 24 powered ports and four uplinks.

Budget. The total power supply shared by all powered ports — not a per-port allowance. Compare it with the sum of connected device loads, and leave margin for cold-weather heater draw on outdoor cameras.

PoE class. Where a model states IEEE 802.3af / at / bt, per-port power is capped at 15.4 W, 30 W and 60-90 W respectively, at 44-57 V over two or four pairs. Non-standard passive models state a fixed voltage instead and must never be mixed with standard PSEs.

Extenders. Each unit rebuilds the signal and re-injects power. Cascading adds reach but also adds conversion loss, so check the remaining budget at the last device, not at the switch.

Splitters. Match the output voltage and current to the device label, and check isolation where the camera sits on a separate structure.

Specifications are subject to change without notice; confirm the current datasheet before placing a project order.