

MINI Smart IoT BoX

OVERVIEW

The XPTN-9000-S340 Outdoor Box integrates industrial-grade Ethernet PoE switches, AC surge protectors, circuit breakers, switching power supplies, temperature-controlled fans, and fiber optic distribution panels. Featuring wide-temperature operation and lightning protection, it ensures stable power and network transmission. This rugged solution effectively meets the deployment requirements of outdoor surveillance systems.

Appearance	Description
 XPTN-9000-S340-N28	<ul style="list-style-type: none">• Unmanagement• 8*10/100/1000 Base-T ports + 2*1000 Base-X SFP slots• Per-port PoE budget: 30 W; total PoE budget: 240 W• Operating temperature: -40°C~75°C• Surge protection: 8 kV (differential) / 6 kV (common mode)• ESD protection: 8 kV contact / 15 kV air discharge• 4-position DIP switch: AI PoE / 250m Extend / VLAN / VIP + QoS• IP55 ingress protection rating• Fan-assisted cooling with integrated air circuit breaker• Built-in fiber splice tray and surge protective device• Size: 340*240*245mm
 XPTN-9000-S340-N28M	<ul style="list-style-type: none">• Layer 2+ Management• 8*10/100/1000 Base-T ports + 2*1000 Base-X SFP slots• Per-port PoE budget: 30 W; total PoE budget: 240 W• Operating temperature: -40°C~75°C• Surge protection: 8 kV (differential) / 6 kV (common mode)• ESD protection: 8 kV contact / 15 kV air discharge• Support Web Management• IP55 ingress protection rating• Fan-assisted cooling with integrated air circuit breaker• Built-in fiber splice tray and surge protective device• Size: 340*240*245mm
 XPTN-9000-S340-N28Y	<ul style="list-style-type: none">• Cloud-based Management• 8*10/100/1000 Base-T ports + 2*1000 Base-X SFP slots• Per-port PoE budget: 30 W; total PoE budget: 240 W• Operating temperature: -40°C~75°C• Surge protection: 8 kV (differential) / 6 kV (common mode)• ESD protection: 8 kV contact / 15 kV air discharge• Support Web Management, support S-Cloud management• IP55 ingress protection rating• Fan-assisted cooling with integrated air circuit breaker• Built-in fiber splice tray and surge protective device• Size: 440*320*245mm

KEY FEATURES AND BENEFITS

All-in-One Deployment:

Integrates all required functions to simplify CCTV system installation and reduce costs.

Fiber-Optic Remote Transmission:

Enables long-distance data transmission with stable signal quality

6 kV Lightning Protection:

Built-in surge defense ensures equipment safety during thunderstorms.

IP55 Protection:

Waterproof and dustproof for reliable operation in any outdoor climate.

Wide-Temperature Operation:

Guarantees consistent power supply and normal communication from -40°C~75°C

PRODUCT SPECIFICATIONS

Hardware Specifications

Model	XPTN-9000-S340-N28	XPTN-9000-S340-N28M	XPTN-9000-S340-N28Y
Interfaces	8*10/100/1000M RJ45 ports, 2*1000M Fiber ports		
Management Port	/	1*RJ45 Console	
Shell	Galvanized Steel Sheet, IP55 Protection		
PoE	Port 1-8: IEEE802.3af/at		
Working Temperature	-40°C~75°C	-40°C~75°C	-40°C~75°C
Communication Protocol		MQTT, TCP/IP, HTTP, HTTPS, etc.	
Power Input	AC100-240V 50/60Hz	AC100-240V 50/60Hz	AC100-240V 50/60Hz
Indicators	PWR,Optical LED	PWR,NMC,9,10	PWR,Optical LED,Alarm LED,NMC
Protection Class	IP55		
Dimension(H×WxD)	340*240*245mm		440*320*245mm
Weight	8.60kg	8.80kg	15.10kg

Accessories

SPD(Surge Protective Device)	SPD AC220V	SPD AC110V
Rated operational voltage	AC 220 V	AC110V
Maximum continuous operating voltage (Uc)	420 V	320V
Maximum discharge current (Imax)	40 kA (8/20 μs)	40KA
Voltage protection level (Up)	≤ 1.8 kV	≤1.5KV

FAN	FAN
RPM	3000 ±10%
Size	92*92*25mm
Power Input	220V

MCB(Miniature Circuit Breaker)	MCB-2P-16A
Rated operational voltage (Ue)	230/400V AC
Rated current	6-63 A
Rated frequency	50Hz
Working Temperature	-40°C - +75°C
Protection Class	IP40

Software Specifications

Model	XPTN-9000-S340-N28M	XPTN-9000-S440-N28Y
VLAN	Support 4K IEEE 802.3Q VLAN	
	Support protocol VLAN	
	Support MAC VLAN	
	Support voice VLAN	
	Support video VLAN	
	Support GARP	
LACP	Support IEEE 802.3ad	
	Support static LACP	
	Support dynamic LACP	

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XPTN-9000-S340 Series

Model	XPTN-9000-S340-N28M	XPTN-9000-S340-N28Y
STP	Support IEEE 802.1d STP	
	Support IEEE 802.1w RSTP	
	Support IEEE 802.1s MSTP	
	/	Spanning Tree BPDU Filtering
	/	Spanning Tree BPDU Guard
	/	Spanning Tree Edge Port
LLDP	/	Support IEEE 802.1ab protocol
ERPS	Support ITUT G.8032 protocol	
Port	Support Jumbo Frame	
	Support IEEE802.3X Flow Control	
	Support port statistics	
	Support Auto-MDI/MDIX	
	Support IGMP Snooping	
Multicast	/	Support MLD Snooping
	Support MVR	
ACL	Support MAC Standard/Extended ACL	
	Support IPv4 Standard/Extended ACL	
	Support IPv6 Standard/Extended ACL	
QoS	Support QoS Re-marking	
	Support Port Trust	
	Support Port Rate Limiting	
	Support Egress Queue Rate Limiting	
	Support SP, WRR scheduling algorithms	
	Support CoS, DSCP, IP Priority Mapping	
	/DHCP Interface Priority IP Binding	
DHCP	Support DHCP Snooping	
	Support DHCP Client	
	Support DHCP Server	
	IPv4 Management Address	
L3 Route	IPv6 Management Address	
	Static IPv4 Route	
	Static IPv6 Route	
	ARP	
	Loopback Interface	
	SupportManagement Channel Configuration	
Security	Support AAA	
	Support IEEE802.1X	
	Support MAC-Based IEEE802.1X	
	Support WEB-Based IEEE802.1X	
	Denial of Service Protection	
	Dynamic ARP Inspection(DAI)	
	IP Source Guard	
	Port Security	
	Port Isolation	
	Support DNS Client	
DNS	Support DNS Server	
	Support Console Logs	
Diagnosis	Support RAM logs	
	Support Flash logs	
	Support Port Mirroring(1:1,N:1)	
	Support Ping	
	Support Traceroute	

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XPTN-9000-S340 Series

Model	XPTN-9000-S340-N28M	XPTN-9000-S340-N28Y
Diagnosis	Support Cable Test	
	/	Support UDLD protocol
	Support Optical Module Information	
Management	Support User Management	
	/	Support MQTT Cloud Management
	Support System Log	
	Support Firmware Upgrade	
	Support File Upgrade	
	Support SNMP	
	Support WEB Management	
	Support Console	
	Support CLI	
	Support Telnet/SSH	
	Support SNMP Client	
	Support RMON	
EEE	Support IEEE802.3az	

Model INFORMATION

Optional Models	Description
XPTN-9000-S340-N28	8*10/100/1000M adaptive RJ45 ports, 2*1000M Fiber port
XPTN-9000-S340-N28M	8*10/100/1000M adaptive RJ45 port; 2*1000M Fiber port; Support Web Management
XPTN-9000-S340-N28Y	8*10/100/1000M adaptive RJ45 port; 2*1000M Fiber port; Support Web Management, Support S-Cloud management