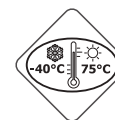
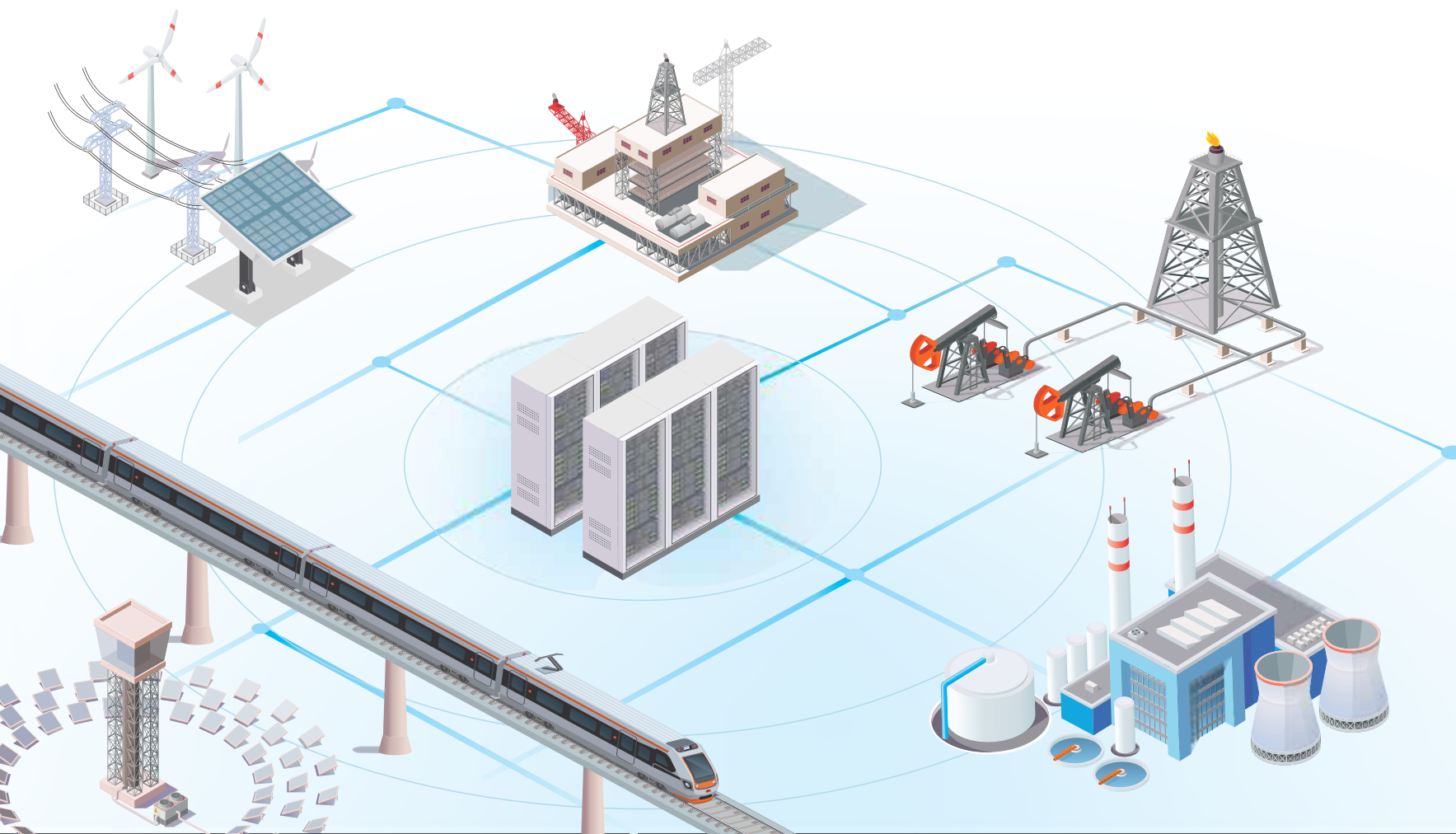


Industrial Network Products

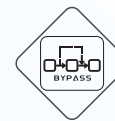
Industrial Network Digital Industry



High and Low Temperature



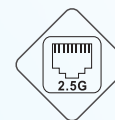
802.3bt Ultra PoE



BYPASS



Waterproof



2.5G PoE



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Managed BYPASS Industrial Switches

>>> IRS5000-BP/ IRS3000-BP / IRS1800-BP Series



	L3 Managed Industrial Switch (PoE Optional)				L2 Managed Industrial Switch (PoE Optional)	
Models	IRS5008F4-BP-8P-DC	IRS5008F4-BP-AC/DC	IRS3008F4-BP-8P-DC	IRS3008F4-BP-AC/DC	IRS1808F4-BP-8P-DC	IRS1808F4-BP-AC/DC
Ports	8 x 1Gbps PoE 4 x 10Gbps SFP+ 4 x Duplex LC (Bypass) 1 x Console	8 x 1Gbps RJ45 4 x 10Gbps SFP+ 4 x Duplex LC (Bypass) 1 x Console	8 x 1Gbps PoE 4 x 1Gbps SFP 4 x Duplex LC (Bypass) 1 x Console	8 x 1Gbps RJ45 4 x 1Gbps SFP 4 x Duplex LC (Bypass) 1 x Console	8 x 1Gbps PoE 4 x 1Gbps SFP 4 x Duplex LC (Bypass) 1 x Console	8 x 1Gbps RJ45 4 x 1Gbps SFP 4 x Duplex LC (Bypass) 1 x Console
PoE Budget	430W	—	430W	—	430W	—
Max, Power Per Port	30W	—	30W	—	30W	—
Switching Capacity	96Gbps	96Gbps	24Gbps	24Gbps	24Gbps	24Gbps
Forwarding Rate	71.42Mpps	71.42Mpps	17.9Mpps	17.9Mpps	17.9Mpps	17.9Mpps
Packet Buffer Memory	12Mbit	12Mbit	12Mbit	12Mbit	4.1Mbit	4.1Mbit
MAC Address Table	16K	16K	16K	16K	8K	8K
VLAN	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation
ACL	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4
Layer3	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	—	—
802.3ab LLDP	✓	✓	✓	✓	✓	✓
802.1X	✓	✓	✓	✓	✓	✓
Spanning Tree	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
RING	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS
Multicast(IGMP)	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housin g	IP30	IP30	IP30	IP30	IP30	IP30
Power supply	44~57VDC	12~57VDC or 100-240VAC (Optional)	44~57VDC	12~57VDC or 100-240VAC (Optional)	44~57VDC	12~57VDC or 100-240VAC (Optional)
Dimensions(mm)	330x200x44	330x200x44	330x200x44	330x200x44	330x200x44	330x200x44
Install Type	Rack	Rack	Rack	Rack	Rack	Rack

EN50155 Managed BYPASS Industrial Switches (IP67)



>>> IWS3000G4BP-M12 / IWS3000E4BP-M12 Series

BYPASS



	10/100/1000Mbps EN50155 Managed BYPASS Industrial Switches				10/100Mbps EN50155 Managed BYPASS Industrial Switches			
Models	IWS3020G4BP-M12-DC IWS3020G4BP-M23-DC	IWS3016G4BP-M12-DC IWS3016G4BP-M23-DC	IWS3012G4BP-M12-DC IWS3012G4BP-M23-DC	IWS3008G4BP-M12-DC IWS3008G4BP-M23-DC	IWS3020E4BP-M12-DC IWS3020E4BP-M23-DC	IWS3016E4BP-M12-DC IWS3016E4BP-M23-DC	IWS3012E4BP-M12-DC IWS3012E4BP-M23-DC	IWS3008E4BP-M12-DC IWS3008E4BP-M23-DC
Ports	20 x 1Gbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	16 x 1Gbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	12 x 1Gbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	8 x 1Gbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	20 x 100Mbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	16 x 100Mbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	12 x 100Mbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	8 x 100Mbps M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12
Switching Capacity	48Gbps	40Gbps	32Gbps	24Gbps	12Gbps	11.2Gbps	10.4Gbps	9.6Gbps
Forwarding Rate	35.71Mpps	29.76Mpps	23.8Mpps	17.8Mpps	8.92Mpps	8.33Mpps	7.73Mpps	7.14Mpps
Packet Buffer Memory	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit
MAC Address Table	16K	16K	16K	16K	16K	16K	16K	16K
VLAN	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation
ACL	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4
Layer3 Agreement	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM
802.3ab LLDP	✓	✓	✓	✓	✓	✓	✓	✓
802.1X	✓	✓	✓	✓	✓	✓	✓	✓
Spanning Tree	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
RING	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS
IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Power Supply (Optional)	16.8~75VDC / 16.8~150VDC							
Power Interface (Optional)	M12 / M23							
Dimensions(mm)	265x147x56 (M12-DC75) 325x147x56 (M12/M23-DC150)		205x147x56 (M12-DC75) 265x147x56 (M12/M23-DC150)		265x147x56 (M12-DC75) 325x147x56 (M12/M23-DC150)		205x147x56 (M12-DC75) 265x147x56 (M12/M23-DC150)	
Install Type	Wall Mounted							

EN50155 Managed BYPASS Industrial PoE Switches (IP67)



>>> IWS3000G4BP-P-M12 / IWS3000E4BP-P-M12 Series

BYPASS



	10/100/1000Mbps EN50155 Managed BYPASS Industrial PoE Switches				10/100Mbps EN50155 Managed BYPASS Industrial PoE Switches			
Models	IWS3020G4BP-20P-M12-DC IWS3020G4BP-20P-M23-DC	IWS3016G4BP-16P-M12-DC IWS3016G4BP-16P-M23-DC	IWS3012G4BP-12P-M12-DC IWS3012G4BP-12P-M23-DC	IWS3008G4BP-8P-M12-DC IWS3008G4BP-8P-M23-DC	IWS3020E4BP-20P-M12-DC IWS3020E4BP-20P-M23-DC	IWS3016E4BP-16P-M12-DC IWS3016E4BP-16P-M23-DC	IWS3012E4BP-12P-M12-DC IWS3012E4BP-12P-M23-DC	IWS3008E4BP-8P-M12-DC IWS3008E4BP-8P-M23-DC
Ports	20 x 1Gbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	16 x 1Gbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	12 x 1Gbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	8 x 1Gbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	20 x 10/100Mbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	16 x 10/100Mbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	12 x 10/100Mbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	8 x 10/100Mbps PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V	52V	52V	52V
Power Supply (Optional)	44~57VDC / 16.8~57VDC / 50~150VDC							
Power Interface (Optional)	M12 / M23							
Dimensions (mm)	265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC24/DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC24/DC150)		265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC24/DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC24/DC150)	

IEEE802.3bt Ultra PoE

	10/100/1000Mbps EN50155 Managed BYPASS Industrial 802.3bt PoE Switches				10/100Mbps EN50155 Managed BYPASS Industrial 802.3bt PoE Switches			
Models	IWS3020G4BP-20T-M12-DC IWS3020G4BP-20T-M23-DC	IWS3016G4BP-16T-M12-DC IWS3016G4BP-16T-M23-DC	IWS3012G4BP-12T-M12-DC IWS3012G4BP-12T-M23-DC	IWS3008G4BP-8T-M12-DC IWS3008G4BP-8T-M23-DC	IWS3020E4BP-20T-M12-DC IWS3020E4BP-20T-M23-DC	IWS3016E4BP-16T-M12-DC IWS3016E4BP-16T-M23-DC	IWS3012E4BP-12T-M12-DC IWS3012E4BP-12T-M23-DC	IWS3008E4BP-8T-M12-DC IWS3008E4BP-8T-M23-DC
Ports	20 x 1Gbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	16 x 1Gbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	12 x 1Gbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	8 x 1Gbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	20 x 10/100Mbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	16 x 10/100Mbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	12 x 10/100Mbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12	8 x 10/100Mbps 90W PoE M12 4 x 1Gbps M12 (Bypass) 1 x Console D-code M12
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt
Max, PoE Wattage Per Port	90W	90W	90W	90W	90W	90W	90W	90W
PoE Voltage	52V	52V	52V	52V	52V	52V	52V	52V
Power Supply (Optional)	44~57VDC / 16.8~57VDC / 50~150VDC							
Power Interface (Optional)	M12 / M23							
Dimensions (mm)	265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC24/DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC24/DC150)		265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC24/DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC24/DC150)	

EN50155 Managed Industrial Switches (IP67)



>>> IS3000G-M12 / IS3000E4G-M12 Series



	10/100/1000Mbps EN50155 Managed Industrial Switches			10/100Mbps EN50155 Managed Industrial Switches			
Models	IWS3024G-M12-DC IWS3024G-M23-DC	IWS3016G-M12-DC IWS3016G-M23-DC	IWS3008G-M12-DC IWS3008G-M23-DC	IWS3020E4G-M12-DC IWS3020E4G-M23-DC	IWS3016E4G-M12-DC IWS3016E4G-M23-DC	IWS3012E4G-M12-DC IWS3012E4G-M23-DC	IWS3008E4G-M12-DC IWS3008E4G-M23-DC
Ports	24 x 1Gbps M12 1 x Console D-code M12	16 x 1Gbps M12 1 x Console D-code M12	8 x 1Gbps M12 1 x Console D-code M12	20 x 100Mbps M12 4 x 1Gbps X-code M12 1 x Console D-code M12	16 x 100Mbps M12 4 x 1Gbps X-code M12 1 x Console D-code M12	12 x 100Mbps M12 4 x 1Gbps X-code M12 1 x Console D-code M12	8 x 100Mbps M12 4 x 1Gbps X-code M12 1 x Console D-code M12
Switching Capacity	48Gbps	32Gbps	16Gbps	12Gbps	11.2Gbps	10.4Gbps	9.6Gbps
Forwarding Rate	35.71Mpps	23.8Mpps	11.9Mpps	8.92Mpps	8.33Mpps	7.73Mpps	7.14Mpps
Packet Buffer Memory	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit
MAC Address Table	16K	16K	16K	16K	16K	16K	16K
VLAN	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation
ACL	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4
Layer3 Agreement	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM
802. 3ab LLDP	✓	✓	✓	✓	✓	✓	✓
802.1X	✓	✓	✓	✓	✓	✓	✓
Spanning Tree	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
RING	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS
IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Power Supply (Optional)	16.8~75VDC / 50~150VDC						
Power Interface (Optional)	M12 / M23						
Dimensions(mm)	265x147x56 (M12-DC75) 325x147x56 (M12/M23-DC150)		205x147x56 (M12-DC75) 265x147x56 (M12/M23-DC150)	265x147x56 (M12-DC75) 325x147x56 (M12/M23-DC150)		205x147x56 (M12-DC75) 265x147x56 (M12/M23-DC150)	
Install Type	Wall Mounted						

EN50155 Managed Industrial PoE Switches (IP67)



>>> IS3000G-P-M12 / IS3000E4G-P-M12 Series



	10/100/1000Mbps EN50155 Managed Industrial PoE Switches			10/100Mbps EN50155 Managed Industrial PoE Switches			
Models	IWS3024G-24P-M12-DC IWS3024G-24P-M23-DC	IWS3016G-16P-M12-DC IWS3016G-16P-M23-DC	IWS3008G-8P-M12-DC IWS3008G-8P-M23-DC	IWS3020E4G-20P-M12-DC IWS3020E4G-20P-M23-DC	IWS3016E4G-16P-M12-DC IWS3016E4G-16P-M23-DC	IWS3012E4G-12P-M12-DC IWS3012E4G-12P-M23-DC	IWS3008E4G-8P-M12-DC IWS3008E4G-8P-M23-DC
Ports	24 x 1Gbps PoE M12 1 x Console D-code M12	16 x 1Gbps PoE M12 1 x Console D-code M12	8 x 1Gbps PoE M12 1 x Console D-code M12	20 x 10/100Mbps PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12	16 x 10/100Mbps PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12	12 x 10/100Mbps PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12	8 x 10/100Mbps PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V	52V	52V
Power Supply (Optional)	44~57VDC / 16.8~57VDC / 50~150VDC						
Power Interface (Optional)	M12 / M23						
Dimensions (mm)	265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC110)	265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC110)	

IEEE802.3bt Ultra PoE

	10/100/1000Mbps EN50155 Managed Industrial 802.3bt PoE Switches			10/100Mbps EN50155 Managed Industrial 802.3bt PoE Switches			
Models	IWS3024G-24T-M12-DC IWS3024G-24T-M23-DC	IWS3016G-16T-M12-DC IWS3016G-16T-M23-DC	IWS3008G-8T-M12-DC IWS3008G-8T-M23-DC	IWS3020E4G-20T-M12-DC IWS3020E4G-20T-M23-DC	IWS3016E4G-16T-M12-DC IWS3016E4G-16T-M23-DC	IWS3012E4G-12T-M12-DC IWS3012E4G-12T-M23-DC	IWS3008E4G-8T-M12-DC IWS3008E4G-8T-M23-DC
Ports	24 x 1Gbps 90W PoE M12 1 x Console D-code M12	16 x 1Gbps 90W PoE M12 1 x Console D-code M12	8 x 1Gbps 90W PoE M12 1 x Console D-code M12	20 x 10/100Mbps 90W PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12	16 x 10/100Mbps 90W PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12	12 x 10/100Mbps 90W PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12	8 x 10/100Mbps 90W PoE M12 4 x 1Gbps X-code M12 1 x Console D-code M12
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt
Max, PoE Wattage Per Port	90W	90W	90W	90W	90W	90W	90W
PoE Voltage	52V	52V	52V	52V	52V	52V	52V
Power Supply (Optional)	44~57VDC / 16.8~57VDC / 50~150VDC						
Power Interface (Optional)	M12 / M23						
Dimensions (mm)	265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC110)	265x147x56 (M12-DC48) 325x147x56 (M12/M23-DC110)		205x147x56 (M12-DC48) 265x147x56 (M12/M23-DC110)	

EN50155 Waterproof Industrial Switches (IP67)



>>> IWS3000-M12 / IWS1800-M12 / IWS1600-M12 / IWS1000-M12 Series (PoE Optional)



	EN50155 Managed Industrial Switches		EN50155 Industrial Switch			
Models	IWS3008-M12	IWS1808-M12	IWS1608-M12	IWS1605-M12	IWS1008-M12	IWS1005-M12
Ports	8 x 1Gbps M12 1 x M12 Console	8 x 1Gbps M12 1 x M12 Console	8 x 1Gbps M12	4 x 1Gbps M12 1 x 1Gbps Uplink	8 x 10/100Mbps M12	4 x 10/100Mbps M12 1 x 10/100Mbps Uplink
Switching Capacity	16Gbps	16Gbps	16Gbps	10Gbps	1.6Gbps	1Gbps
Forwarding Rate	11.9Mpps	11.9Mpps	11.9Mpps	7.44Mpps	1.19Mpps	744K
Packet Buffer Memory	12Mbit	4.1Mbit	2Mbit	2Mbit	744Kbit	744Kbit
MAC Address Table	16K	8K	4K	2K	2K	1K
VLAN	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	—	—	—	—
ACL	IPv4 L2-L4	IPv4 L2-L4	—	—	—	—
Layer3 Agreement	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	—	—	—	—	—
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP67	IP67	IP67	IP67	IP67	IP67
Power Supply	12~57VDC (M12)	12~57VDC (M12)	12~57VDC (M12)	12~57VDC (M12)	12~57VDC (M12)	12~57VDC (M12)
Dimensions(mm)	200x110x90	200x110x90	150x115x20	150x115x20	150x115x20	150x115x20
Install Type	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted

	EN50155 Managed Industrial PoE Switches		EN50155 Industrial PoE Switches			
Models	IWS3008-8P-M12	IWS1808-8P-M12	IWS1608-8P-M12	IWS1605-4P-M12	IWS1008-8P-M12	IWS1005-4P-M12
Ports	8 x 1Gbps PoE M12 1 x M12 Console	8 x 1Gbps PoE M12 1 x M12 Console	8 x 1Gbps PoE M12	4 x 1Gbps PoE M12 1 x 1Gbps Uplink	8 x 10/100Mbps PoE M12	4 x 10/100Mbps PoE M12 1 x 10/100Mbps Uplink
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
PoE Budget	240W	240W	240W	120W	240W	120W
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V	52V
Power Supply	44~57VDC (M12)	44~57VDC (M12)	44~57VDC (M12)	44~57VDC (M12)	44~57VDC (M12)	44~57VDC (M12)

EN50155 Industrial Switches (IP30)



>>> IS1600-M12 / IS1000-M12 Series (PoE Optional)



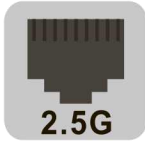
EN50155 Industrial Switch				
Models	IS1608-M12	IS1605-M12	IS1008-M12	IS1005-M12
Ports	8 x 1Gbps M12	4 x 1Gbps M12 1 x 1Gbps Uplink	8 x 10/100Mbps M12	4 x 10/100Mbps M12 1 x 10/100Mbps Uplink
Switching Capacity	16Gbps	10Gbps	1.6Gbps	1Gbps
Forwarding Rate	11.9Mpps	7.44Mpps	1.19Mpps	744K
Packet Buffer Memory	2Mbit	2Mbit	744Kbit	744Kbit
MAC Address Table	4K	2K	2K	1K
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP30	IP30	IP30	IP30
Power Supply	12~57VDC (M12)	12~57VDC (M12)	12~57VDC (M12)	12~57VDC (M12)
Dimensions(mm)	200x110x90	200x110x90	200x110x90	200x110x90
Install Type	壁挂式	壁挂式	壁挂式	壁挂式

EN50155 Industrial PoE Switch				
Models	IS1608-8P-M12	IS1605-4P-M12	IS1008-8P-M12	IS1005-4P-M12
Ports	8 x 1Gbps PoE M12	4 x 1Gbps PoE M12 1 x 1Gbps Uplink	8 x 10/100Mbps PoE M12	4 x 10/100Mbps PoE M12 1 x 10/100Mbps Uplink
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
PoE Budget	240W	120W	240W	120W
Max, PoE Wattage Per Port	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V
Power Supply	44~57VDC (M12)	44~57VDC (M12)	44~57VDC (M12)	44~57VDC (M12)

2.5G EN50155 Industrial Switches



>>> TNS4200 / TNS4000 / TNS1800 / TNS1600 / TNS1000 Series



	L3 Managed Industrial Switches	2.5G Industrial Switches	L2 Managed Industrial Switches	Industrial Switches	
Models	TNS4208	TNS4008	TNS1808	TNS1608	TNS1008
Ports	8 x 2.5Gbps M12 Ports 1 x Console	8 x 2.5Gbps M12 Ports	8 x 1Gbps M12 Ports	8 x 1Gbps M12 Ports	8 x 10/100Mbps M12 Ports
Switching Capacity	40Gbps	40Gbps	16Gbps	16Gbps	1.6Gbps
Forwarding Rate	29.76Mpps	29.76Mpps	11.9Mpps	11.9Mpps	1.19Mpps
Packet Buffer Memory	12Mbit	12Mbit	4.1Mbit	2Mbit	744K
MAC Address Table	16K	16K	8K	4K	1K
VLAN	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	—	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	—	—
ACL	IPv4 L2-L4	—	IPv4 L2-L4	—	—
Layer3 Agreement	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	—	—	—	—
802.3ab LLDP	✓	—	✓	—	—
802.1X	✓	—	✓	—	—
Spanning Tree	STP, RSTP, MSTP	—	STP, RSTP, MSTP	—	—
RING	ERPS / EAPS	—	ERPS / EAPS	—	—
IGMP Snooping	v1, v2, v3	—	v1, v2, v3	—	—
SNMP	v1, v2, v3	—	v1, v2, v3	—	—
Port-Based link Aggregation	✓	—	✓	—	—
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP40	IP40	IP40	IP40	IP40
Power Supply	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC
Dimensions(mm)	292x147.5x50	292x147.5x50	292x147.5x50	292x147.5x50	292x147.5x50
Install Type	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted

2.5G EN50155 Industrial PoE Switches



>>> TNS4200-P / TNS4000-P / TNS1800-P / TNS1600-P / TNS1000-P Series



	L3 Managed Industrial PoE Switches	2.5G Industrial PoE Switches	L2 Managed Industrial PoE Switches	Industrial PoE Switches	
Models	TNS4208-8P	TNS4008-8P	TNS1808-8P	TNS1608-8P	TNS1008-8P
Ports	8 x 2.5Gbps PoE M12 1 x Console	8 x 2.5Gbps PoE M12	8 x 1Gbps PoE M12	8 x 1Gbps PoE M12	8 x 10/100Mbps PoE M12
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC

IEEE802.3bt Ultra PoE

	L3 Managed Industrial 802.3bt PoE Switches	Industrial 802.3bt PoE Switches	L2 Managed Industrial 802.3bt PoE Switches	Industrial 802.3bt PoE Switches	
Models	TNS4208-8T	TNS4008-8T	TNS1808-8T	TNS1608-8T	TNS1008-8T
Ports	8 x 2.5Gbps 90W PoE M12 1 x Console	8 x 2.5Gbps 90W PoE M12	8 x 1Gbps 90W PoE M12	8 x 1Gbps 90W PoE M12	8 x 10/100Mbps 90W PoE M12
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt
Max, PoE Wattage Per Port	90W	90W	90W	90W	90W
PoE Voltage	52V	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC

Din-Rail Managed Industrial Switches



>>> IDS7000 / IDS5000 / IDS3000 / IDS1800 Series



	L3 Managed Din-Rail Industrial Switches			L2 Managed Din-Rail Industrial Switches				
Models	IDS7012X	IDS5008F4	IDS3008F4	IDS1816	IDS1808F4	IDS1808F2	IDS1804F4	IDS1804F2
Ports	12 x 10Gbps SFP+ 1 x Console	8 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	8 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console	16 x 1Gbps RJ45 1 x Console	8 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console	8 x 1Gbps RJ45 2 x 1Gbps SFP 1 x Console	4 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console	4 x 1Gbps RJ45 2 x 1Gbps SFP 1 x Console
Switching Capacity	240 Gbps	96Gbps	24Gbps	32Gbps	24Gbps	20Gbps	16Gbps	12Gbps
Forwarding Rate	178.6 Mpps	71.4Mpps	17.86Mpps	23.8Mpps	17.86Mpps	14.9Mpps	11.9Mpps	8.93Mpps
Packet Buffer Memory	16Mbit	12Mbit	12Mbit	4.1Mbit	4.1Mbit	4.1Mbit	4.1Mbit	2Mbit
MAC Address Table	16K	16K	16K	8K	8K	8K	8K	8K
VLAN	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation
ACL	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4
Layer3 Agreement	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	IP, OSPF, BGP, VRRP, VLLP, PIM-SM	—	—	—	—	—
802.1X	✓	✓	✓	✓	✓	✓	✓	✓
Spanning Tree	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
RING	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS
IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP30	IP30	IP30	IP30	IP30	IP30	IP30	IP30
Power Supply	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC
Dimensions(mm)	147x143x75	147x143x60	147x143x60	147x143x60	147x143x60	147x143x60	147x143x60	147x143x60
Install Type	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted

Din-Rail Managed Industrial PoE Switches



>>> IDS5000-P / IDS3000-P / IDS1800-P Series



	L3 Managed Din-Rail Industrial PoE Switches		L2 Managed Din-Rail Industrial PoE Switches				
Models	IDS5008F4-8P	IDS3008F4-8P	IDS1816F2-16P	IDS1808F4-8P	IDS1808F2-8P	IDS1804F4-4P	IDS1804F2-4P
Ports	8 x 1Gbps PoE 4 x 10Gbps SFP+ 1 x Console	8 x 1Gbps PoE 4 x 1Gbps SFP 1 x Console	16 x 1Gbps PoE 2 x 1Gbps SFP 1 x Console	8 x 1Gbps PoE 4 x 1Gbps SFP 1 x Console	8 x 1Gbps PoE 2 x 1Gbps SFP 1 x Console	4 x 1Gbps PoE 4 x 1Gbps SFP 1 x Console	4 x 1Gbps PoE 2 x 1Gbps SFP 1 x Console
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
PoE Budget	240W	240W	480W	240W	240W	120W	120W
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V	52V	52V
Dimensions (mm)	147x143x60	147x143x60	151x143x70	147x143x60	147x143x60	147x143x60	147x143x60

IEEE802.3bt Ultra PoE

	L3 Managed Din-Rail Industrial 802.3bt PoE Switches		L2 Managed Din-Rail Industrial 802.3bt PoE Switches			
Models	IDS5008F4-8T	IDS3008F4-8T	IDS1808F4-8T	IDS1808F2-8T	IDS1804F4-4T	IDS1804F2-4T
Ports	8 x 1Gbps 90W PoE 4 x 10Gbps SFP+ 1 x Console	8 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	8 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	8 x 1Gbps 90W PoE 2 x 1Gbps SFP 1 x Console	4 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	4 x 1Gbps 90W PoE 2 x 1Gbps SFP 1 x Console
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt
PoE Budget	720W	720W	720W	720W	360W	360W
Max, PoE Wattage Per Port	90W	90W	90W	90W	90W	90W
PoE Voltage	52V	52V	52V	52V	52V	52V
Dimensions (mm)	147x143x87.5	147x143x87.5	147x143x87.5	147x143x87.5	147x143x87.5	147x143x87.5

>>> IDS1700 Series



	Industrial Switches				
Models	IDS1708T2	IDS1708F4	IDS1708F2	IDS1704F4	IDS1704F2
Ports	8 x 1Gbps RJ45 2 x 10Gbps SFP+	8 x 1Gbps RJ45 4 x 1Gbps SFP	8 x 1Gbps RJ45 2 x 1Gbps SFP	4 x 1Gbps RJ45 4 x 1Gbps SFP	4 x 1Gbps RJ45 2 x 1Gbps SFP
Switching Capacity	56Gbps	24Gbps	20Gbps	16Gbps	12Gbps
Forwarding Rate	41.7Mpps	17.85Mpps	14.88Mpps	11.9Mpps	8.92Mpps
Packet Buffer Memory	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit
MAC Address Table	16K	16K	16K	16K	16K
VLAN	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation	802.1Q Port-based,MAC-Based, Q-in-Q, VLAN, Port isolation
ACL	✓	✓	✓	✓	✓
802. 3ab LLDP	✓	✓	✓	✓	✓
802.1X	✓	✓	✓	✓	✓
RING	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP30	IP30	IP30	IP30	IP30
Power Supply	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC
Dimensions(mm)	147x143x87.5	147x143x60	147x143x60	147x143x60	147x143x60
Install Type	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted

>>> IDS1700-P Series



	Industrial PoE Switches				
Models	IDS1708T2-8P	IDS1708F4-8P	IDS1708F2-8P	IDS1704F4-4P	IDS1704F2-4P
Ports	8 x 1Gbps PoE 2 x 10Gbps SFP+	8 x 1Gbps PoE 4 x 1Gbps SFP	8 x 1Gbps PoE 2 x 1Gbps SFP	4 x 1Gbps PoE 4 x 1Gbps SFP	4 x 1Gbps PoE 2 x 1Gbps SFP
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
PoE Budget	240W	240W	240W	120W	120W
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC

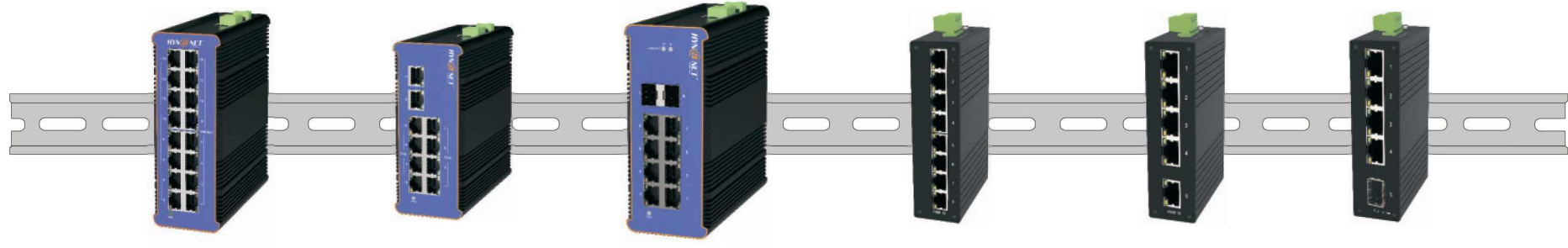
IEEE802.3bt Ultra PoE

	Industrial 802.3bt PoE Switches				
Models	IDS1708T2-8T	IDS1708F4-8T	IDS1708F2-8T	IDS1704F4-4T	IDS1704F2-4T
Ports	8 x 1Gbps 90W PoE 2 x 10Gbps SFP+	8 x 1Gbps 90W PoE 4 x 1Gbps SFP	8 x 1Gbps 90W PoE 2 x 1Gbps SFP	4 x 1Gbps 90W PoE 4 x 1Gbps SFP	4 x 1Gbps 90W PoE 2 x 1Gbps SFP
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt
PoE Budget	720W	720W	720W	360W	360W
Max, PoE Wattage Per Port	90W	90W	90W	90W	90W
PoE Voltage	52V	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC

Din-Rail Industrial Switches



>>> IDS1600 / IDS1000 Series



Gigabit Industrial Switch							
Models	IDS1616	IDS1610	IDS1608F2	IDS1608R	IDS1606R	IDS1605R	IDS1604F1R
Ports	16 x 1Gbps RJ45	8 x 1Gbps PoE 2 x RJ45 Uplink	8 x 1Gbps RJ45 2 x 1Gbps SFP Uplink	8 x 1Gbps RJ45	6 x 1Gbps RJ45	5 x 1Gbps RJ45	4 x 1Gbps RJ45 1 x 1Gbps SFP Uplink
Switching Capacity	32Gbps	20Gbps	20Gbps	16Gbps	12Gbps	10Gbps	10Gbps
Forwarding Rate	23.8Mpps	14.88Mpps	14.88Mpps	11.9Mpps	8.92Mpps	7.44Mpps	7.44Mpps
Packet Buffer Memory	4Mbit	4Mbit	4Mbit	2Mbit	2Mbit	2Mbit	2Mbit
MAC Address Table	8K	8K	4K	4K	4K	2K	2K
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Power Supply	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC
Dimensions(mm)	147x143x60	130x100x50	147x143x60	143x78x40	143x78x40	103x78x32	103x78x32
Install Type	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail

100Mbps Industrial Switch								
Models	IDS1016	IDS1008F2	IDS1008SC	IDS1008R	IDS1006R	IDS1005R	IDS1004SC1R	IDS1004F1R
Ports	16 x 10/100Mbps RJ45	8 x 10/100Mbps RJ45 2 x 1Gbps SFP Uplink	6 x 10/100Mbps RJ45 2 x 100Mbps SC	8 x 10/100Mbps RJ45	6 x 10/100Mbps RJ45	5 x 10/100Mbps RJ45	4 x 10/100Mbps RJ45 1 x 100Mbps SC	4 x 10/100Mbps RJ45 1 x 100Mbps SFP Uplink
Switching Capacity	3.2Gbps	5.6Gbps	1.6Gbps	1.6Gbps	1.2Gbps	1Gbps	1Gbps	1Gbps
Forwarding Rate	2.38Mpps	4.17Mpps	1.19Mpps	1.19Mpps	0.89Mpps	744K	744K	744K
Packet Buffer Memory	1Mbit	1Mbit	744K	744K	744K	744K	744K	744K
MAC Address Table	4K	4K	1K	1K	1K	1K	1K	1K
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Power Supply	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC	12~57VDC
Dimensions(mm)	147x143x60	130x100x50	147x143x60	143x78x40	143x78x40	103x78x32	103x78x32	103x78x32
Install Type	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	

Din-Rail Industrial PoE Switches



>>> IDS1600-P / IDS1000-P Series



Gigabit Industrial PoE Switch						
Models	IDS1616F2-16P	IDS1610-8P	IDS1608F2-8P	IDS1605F1R-4P	IDS1605R-4P	IDS1604F2R-4P
Ports	16 x 1Gbps PoE 2 x 1Gbps SFP Uplink	8 x 1Gbps PoE 2 x 1Gbps RJ45 Uplink	8 x 1Gbps PoE 2 x 1Gbps SFP	4 x 1Gbps PoE 1 x RJ45 Uplink 1 x 1Gbps SFP	4 x 1Gbps PoE 1 x RJ45 Uplink	4 x 1Gbps PoE 2 x 1Gbps SFP Uplink
PoE Budget	480W	240W	240W	120W	120W	120W
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W	30W
Switching Capacity	36Gbps	20Gbps	20Gbps	12Gbps	10Gbps	12Gbps
Forwarding Rate	26.78Mpps	14.88Mpps	14.88Mpps	8.92Mpps	7.44Mpps	8.92Mpps
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC
Dimensions(mm)	130x100x50	130x100x50	147x143x60	143x78x40	103x78x32	143x78x40
Install Type	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail	DIN-Rail	DIN-Rail

100Mbps Industrial PoE Switch					
Models	IDS1010R-8P	IDS1008F2-8P	IDS1005R-4P	IDS1004SC2R-4P	IDS1004F2R-4P
Ports	8 x 10/100Mbps PoE 2 x 1Gbps RJ45 Uplink	8 x 10/100Mbps PoE 2 x 1Gbps SFP	4 x 10/100Mbps PoE 1 x RJ45 Uplink	4 x 10/100Mbps PoE 2 x 10/100Mbps SC	4 x 10/100Mbps PoE 2 x 100Mbps SFP
PoE Budget	240W	240W	120W	120W	120W
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W
Switching Capacity	5.6Gbps	5.6Gbps	1Gbps	1.2Gbps	1.2Gbps
Forwarding Rate	4.17Mpps	4.17Mpps	0.74Mpps	0.89Mpps	0.89Mpps
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC
Dimensions(mm)	130x100x50	130x100x50	103x78x32	143x78x40	143x78x40
Install Type	DIN-Rail, Wall Mounted	DIN-Rail, Wall Mounted	DIN-Rail	DIN-Rail	DIN-Rail

L3 Managed Rack-Mounted Industrial Switches



>>> IRS5000F4R / IRS3000F4R Series



L3 Managed Industrial Switches							
Models	IRS5048F4R-AC/DC	IRS5024F4R-AC/DC	IRS5016F4R-AC/DC	IRS5028F-AC/DC	IRS3048R-AC/DC	IRS3024F4R-AC/DC	IRS3016F4R-AC/DC
Ports	48 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	16 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	24x 1Gbps SFP 4 x 10Gbps SFP+ 1 x Console	48 x 1Gbps RJ45 1 x Console	24 x 1Gbps RJ45 4 x 10Gbps SFP 1 x Console	16 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console
Switching Capacity	176Gbps	128Gbps	112Gbps	128Gbps	96Gbps	56Gbps	40Gbps
Forwarding Rate	130.9Mpps	95.2Mpps	83.3Mpps	95.2Mpps	71.4Mpps	41.7Mpps	29.7Mpps
Packet Buffer Memory	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit	12Mbit
MAC Address Table	16K	16K	16K	16K	16K	16K	16K
VLAN	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation						
ACL	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4
Layer3	IP, OSPF, BGP, VRRP, VLLP, PIM-SM						
802.1X	✓	✓	✓	✓	✓	✓	✓
Spanning Tree	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
RING	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS
Multicast(IGMP)	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP30	IP30	IP30	IP30	IP30	IP30	IP30
Power Supply	12~57VDC or 100-240VAC, 50/60Hz (Optional)						
Dimensions(mm)	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44
Install Type	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted

L3 Managed Rack-Mounted Industrial PoE Switches



>>> IRS5000F4R-P / IRS3000F4R-P Series



				L3 Managed Industrial PoE Switches		
Models	IRS5048F4R-48P-DC	IRS5024F4R-24P-DC	IRS5016F4R-16P-DC	IRS3024F4R-24P-DC	IRS3016F4R-16P-DC	
Ports	48 x 1Gbps PoE 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps PoE 4 x 10Gbps SFP+ 1 x Console	16 x 1Gbps PoE 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps PoE 4 x 1Gbps SFP 1 x Console	16 x 1Gbps PoE 4 x 1Gbps SFP 1 x Console	
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	
PoE Budget	700W	370W	250W	370W	250W	
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W	
PoE Voltage	52V	52V	52V	52V	52V	
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC	

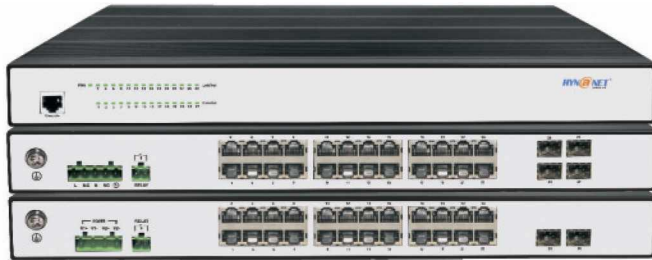
IEEE802.3bt Ultra PoE

				L3 Managed Industrial 802.3bt PoE Switches		
Models	IRS5048F4R-48T-DC	IRS5024F4R-24T-DC	IRS5016F4R-16T-DC	IRS3024F4R-24T-DC	IRS3016F4R-16T-DC	
Ports	48 x 1Gbps 90W PoE 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps 90W PoE 4 x 10Gbps SFP+ 1 x Console	16 x 1Gbps 90W PoE 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	16 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	
PoE Budget	1200W	720W	480W	720W	480W	
Max, PoE Wattage Per Port	90W	90W	90W	90W	90W	
PoE Voltage	52V	52V	52V	52V	52V	
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC	

L2 Managed Rack-Mounted Industrial Switches



>>> IRS2900 Series



	L2 Managed Industrial Switches				
Models	IRS2924F4R-AC/DC	IRS2924F2R-AC/DC	IRS2916F4R-AC/DC	IRS2916F2R-AC/DC	IRS2908F16-AC/DC
Ports	24 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console	24 x 1Gbps RJ45 2 x 1Gbps SFP 1 x Console	16 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console	16 x 1Gbps RJ45 2 x 1Gbps SFP 1 x Console	8 x 1Gbps RJ45 16 x 1Gbps SFP 1 x Console
Switching Capacity	56Gbps	52Gbps	40Gbps	36Gbps	48Gbps
Forwarding Rate	41.7Mpps	38.6Mpps	29.76Mpps	26.78Mpps	35.7Mpps
Packet Buffer Memory	4.1Mbit	4.1Mbit	4.1Mbit	4.1Mbit	4.1Mbit
MAC Address Table	8K	8K	8K	8K	8K
VLAN	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation				
ACL	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4
802.3ab LLDP	✓	✓	✓	✓	✓
802.1X	✓	✓	✓	✓	✓
Spanning Tree	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
RING	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS
IGMP Snooping	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP30	IP30	IP30	IP30	IP30
Power Supply	12~57VDC or 100-240VAC, 50/60Hz (Optional)				
Dimensions(mm)	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44
Install Type	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted

L2 Managed Rack-Mounted Industrial PoE Switches



>>> IRS2900-P Series



	L2 Managed Industrial PoE Switches				
Models	IRS2924F4R-24P-DC	IRS2924F2R-24P-DC	IRS2916F4R-16P-DC	IRS2916F2R-16P-DC	IRS2908F16-8P-DC
Ports	24 x 1Gbps PoE 4 x 1Gbps SFP 1 x Console	24 x 1Gbps PoE 2 x 1Gbps SFP 1 x Console	16 x 1Gbps PoE 4 x 1Gbps SFP 1 x Console	16 x 1Gbps PoE 2 x 1Gbps SFP 1 x Console	8 x 1Gbps PoE 16 x 1Gbps SFP 1 x Console
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
PoE Budget	430W	430W	250W	250W	240W
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC

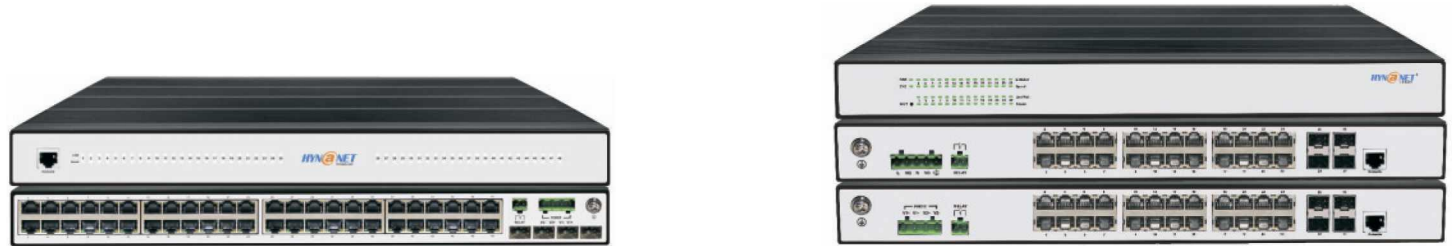
IEEE802.3bt Ultra PoE

	L2 Managed Industrial 802.3bt PoE Switches				
Models	IRS2924F4R-24T-DC	IRS2924F2R-24T-DC	IRS2916F4R-16T-DC	IRS2916F2R-16T-DC	IRS2908F16-8T-DC
Ports	24 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	24 x 1Gbps 90W PoE 2 x 1Gbps SFP 1 x Console	16 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	16 x 1Gbps 90W PoE 2 x 1Gbps SFP 1 x Console	8 x 1Gbps 90W PoE 16 x 1Gbps SFP 1 x Console
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt
PoE Budget	720W	720W	480W	480W	480W
Max, PoE Wattage Per Port	90W	90W	90W	90W	90W
PoE Voltage	52V	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC

L3 Managed Rack-Mounted Industrial Switches



>>> IRS5000F4C / IRS3000F4C Series



	L3 Managed Industrial Switches					
Models	IRS5048F4C-AC/DC	IRS5028F-AC/DC	IRS5024F4C-AC/DC	IRS3048F4C-AC/DC	IRS3028F-AC/DC	IRS3024F4C-AC/DC
Ports	48 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps SFP 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	48 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console	24 x 1Gbps SFP 4 x 1Gbps SFP 1 x Console	24 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console
Switching Capacity	176Gbps	128Gbps	128Gbps	104Gbps	56Gbps	56Gbps
Forwarding Rate	160.7Mpps	95.2Mpps	95.2Mpps	77.4Mpps	41.7Mpps	41.7Mpps
Packet Buffer Memory	16Mbit	12Mbit	12Mbit	16Mbit	12Mbit	12Mbit
MAC Address Table	32K	16K	16K	32K	16K	16K
VLAN	802.1Q Port-based, MAC-Based, Q-in-Q, VLAN, Port isolation					
ACL	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4	IPv4 L2-L4
Layer3	IP, OSPF, BGP, VRRP, VLLP, PIM-SM					
802.1X	✓	✓	✓	✓	✓	✓
Spanning Tree	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP	STP, RSTP, MSTP
RING	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS	ERPS / EAPS
Multicast(IGMP)	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
Port-Based link Aggregation	✓	✓	✓	✓	✓	✓
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP30	IP30	IP30	IP30	IP30	IP30
Power Supply	12~57VDC or 100-240VAC, 50/60Hz (Optional)					
Dimensions(mm)	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44
Install Type	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted

L3 Managed Rack-Mounted Industrial PoE Switches



>>> IRS5000F4C-P / IRS3000F4C-P Series



	L3 Managed Industrial PoE Switches			
Models	IRS5048F4C-48P-DC	IRS5024F4C-24P-DC	IRS3048F4C-48P-DC	IRS3024F4C-24P-DC
Ports	48 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps RJ45 4 x 10Gbps SFP+ 1 x Console	48 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console	24 x 1Gbps RJ45 4 x 1Gbps SFP 1 x Console
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
PoE Budget	720W	720W	720W	720W
Max, PoE Wattage Per Port	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC

IEEE802.3bt Ultra PoE

	L3 Managed Industrial 802.3bt PoE Switches			
Models	IRS5048F4C-48T-DC	IRS5024F4C-24T-DC	IRS3048F4C-48T-DC	IRS3024F4C-24T-DC
Ports	48 x 1Gbps 90W PoE 4 x 10Gbps SFP+ 1 x Console	24 x 1Gbps 90W PoE 4 x 10Gbps SFP+ 1 x Console	48 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console	24 x 1Gbps 90W PoE 4 x 1Gbps SFP 1 x Console
PoE Standard	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt	IEEE802.3bt
PoE Budget	720W	720W	720W	720W
Max, PoE Wattage Per Port	90W	90W	90W	90W
PoE Voltage	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC

Rack-Mounted Industrial Switches



>>> IRS2600 Series



	Industrial Switches					
Models	IRS2624F4Y-AC/DC	IRS2616F4Y-AC/DC	IRS2624F2Y-AC/DC	IRS2616F2Y-AC/DC	IRS2624Y-AC/DC	IRS2616Y-AC/DC
Ports	24 x 1Gbps RJ45 4 x 1Gbps SFP	16 x 1Gbps RJ45 4 x 1Gbps SFP	24 x 1Gbps RJ45 2 x 1Gbps SFP	16 x 1Gbps RJ45 2 x 1Gbps SFP	24 x 1Gbps RJ45	16 x 1Gbps RJ45
Switching Capacity	56Gbps	40Gbps	52Gbps	36Gbps	48Gbps	32Gbps
Forwarding Rate	41.7Mpps	29.76Mpps	38.68Mpps	26.8Mpps	35.7Mpps	23.8Mpps
Packet Buffer Memory	4.1Mbit	4.1Mbit	4.1Mbit	4.1Mbit	4.1Mbit	4.1Mbit
MAC Address Table	8K	8K	8K	8K	8K	8K
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Housing	IP30	IP30	IP30	IP30	IP30	IP30
Power Supply	12~57VDC or 100-240VAC, 50/60Hz (Optional)					
Dimensions(mm)	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44	440x200x44
Install Type	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted	Wall Mounted

	Industrial PoE Switches					
Models	IRS2624F4Y-24P-DC	IRS2616F4Y-16P-DC	IRS2624F2Y-24P-DC	IRS2616F2Y-16P-DC	IRS2624Y-24P-DC	IRS2616Y-16P-DC
Ports	24 x 1Gbps PoE 4 x 1Gbps SFP	16 x 1Gbps PoE 4 x 1Gbps SFP	24 x 1Gbps PoE 2 x 1Gbps SFP	16 x 1Gbps PoE 2 x 1Gbps SFP	24 x 1Gbps PoE	16 x 1Gbps PoE
PoE Standard	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at	IEEE802.3at
PoE Budget	430W	250W	430W	250W	430W	250W
Max, PoE Wattage Per Port	30W	30W	30W	30W	30W	30W
PoE Voltage	52V	52V	52V	52V	52V	52V
Power Supply	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC	44~57VDC

Din-Rail Industrial PoE Products Series



Din-Rail Industrial PoE Injector Series



Industrial PoE Injector					
Models	IPE90-bt	IPE60-bt	IPE60	IPE30	IPE15
Ports	DATA Ports (DATA IN) PoE OUT(DATA+Power Output)	DATA Ports (DATA IN) PoE OUT(DATA+Power Output)	DATA Ports (DATA IN) PoE OUT(DATA+Power Output)	DATA Ports (DATA IN) PoE OUT(DATA+Power Output)	DATA Ports (DATA IN) PoE OUT(DATA+Power Output)
PoE Standard	IEEE802.3at, IEEE802.3bt	IEEE802.3at, IEEE802.3bt	IEEE802.3af, IEEE802.3at-4pair	IEEE802.3af, IEEE802.3at	IEEE802.3af
Data Speed	10/100/1000M	10/100/1000M	10/100/1000M	10/100/1000M	10/100/1000M
Max, PoE Wattage Per Port	90W	60W	60W	30W	15W
Power Supply	45~56VDC	45~56VDC	45~56VDC	45~56VDC	45~56VDC
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Dimensions(mm)	103x78x32	103x78x32	103x78x32	103x78x32	103x78x32
Install Type	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail

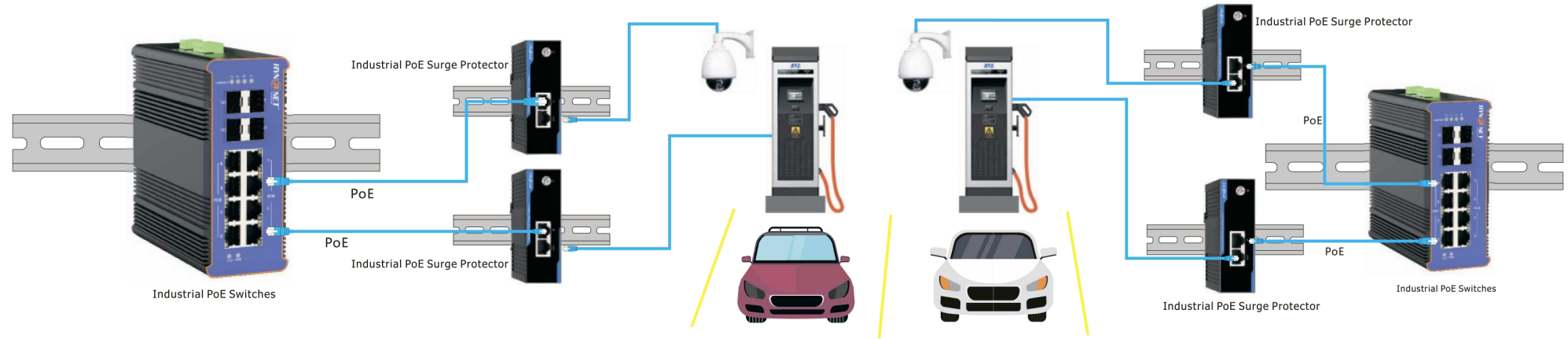
Din-Rail Industrial PoE Extender Series



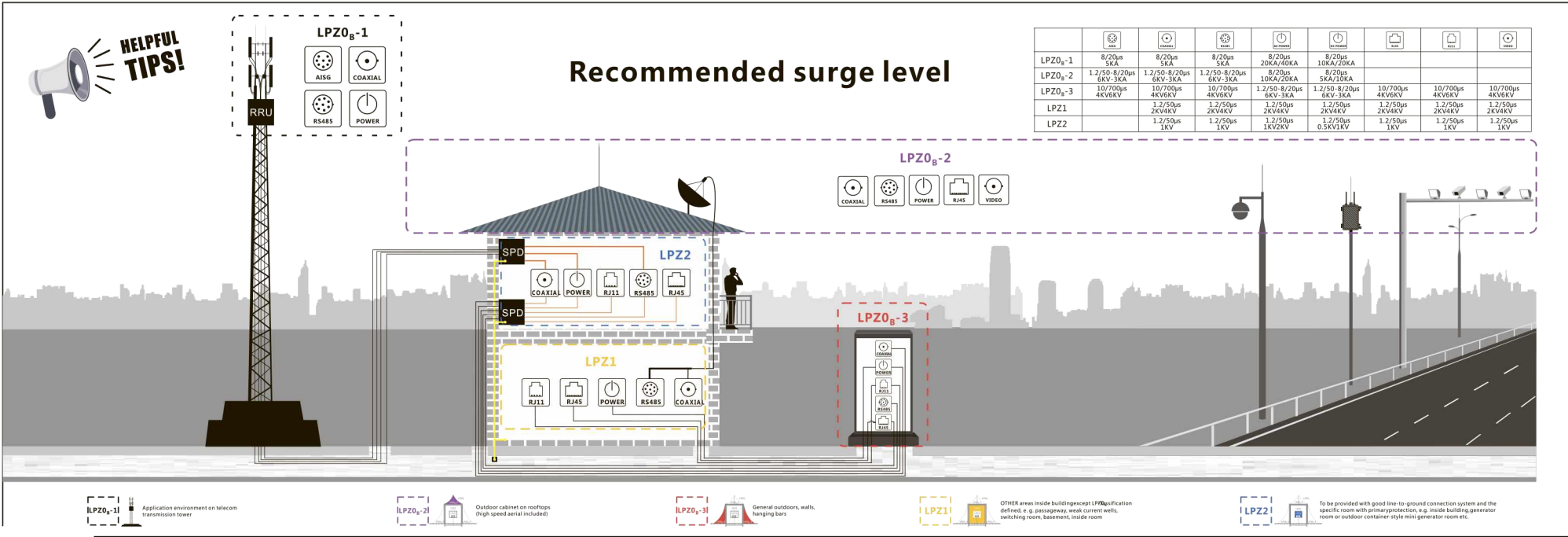
Industrial PoE Extender						
Models	IDX204	IDX104	IDX202	IDX102	IDX201	IDX101
Ports	1x PoE IN, 4x PoE Output	1x PoE IN, 4x PoE Output	1x PoE IN, 2x PoE Output	1x PoE IN, 2x PoE Output	1x PoE IN, 1x PoE Output	1x PoE IN, 1x PoE Output
PoE Standard	IEEE802.3bt (IN), IEEE802.3at (OUT)	IEEE802.3bt (IN), IEEE802.3at (OUT)	IEEE802.3bt (IN), IEEE802.3at (OUT)	IEEE802.3bt (IN), IEEE802.3at (OUT)	IEEE802.3af, IEEE802.3at	IEEE802.3af, IEEE802.3at
Data Speed	10/100/1000M	10/100M	10/100/1000M	10/100M	10/100/1000M	10/100M
PoE Input Power	90W	90W	60W	60W	30W	30W
Single Port PoE Output Power	30W	30W	30W	30W	30W	30W
Distance	Extend PoE and LAN 100meter	Extend PoE and LAN 100meter	Extend PoE and LAN 100meter	Extend PoE and LAN 100meter	Extend PoE and LAN 100meter	Extend PoE and LAN 100meter
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C	-40° to 75°C
Dimensions(mm)	150x100x32	150x100x32	103x78x32	103x78x32	103x78x32	103x78x32
Install Type	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail



Industrial PoE Surge Protector				
Models	IPV201-10KV	IPV101-10KV	IPV201-6KV	IPV101-6KV
Ports	1	1	1	1
Data Speed	10/100/1000M	10/100M	10/100/1000M	10/100M
Norminal Voltage	48V	48V	48V	48V
Maximum Working Voltage	57V	57V	57V	57V
Norminal Current	0.8A	0.8A	0.6A	0.6A
Norminal Discharge Voltage	(1.2/50-8/20, 2Ω), 1.5kV(line-line) 10kV(line-PG)	(1.2/50-8/20, 2Ω), 1.5kV(line-line) 10kV(line-PG)	(10/700 us, 40Ω), 2kV(line-line) 6kV(line-PG)	(10/700 us, 40Ω), 2kV(line-line) 6kV(line-PG)
Total Norminal Discharge Voltage	(1.2/50-8/20, 2Ω), 10kV	(1.2/50-8/20, 2Ω), 10kV	(10/700 us, 40Ω), 6kV	(10/700 us, 40Ω), 6kV
The Residual Voltage	≤40V(line-line) ≤90V(line-PG)	≤40V(line-line) ≤90V(line-PG)	≤70V(line-line) ≤70V(line-PG)	≤70V(line-line) ≤70V(line-PG)
Transmission Frequency	250MHz	250MHz	250MHz	250MHz
Insertion Loss at 250MHz	≤2dB	≤2dB	≤2dB	≤2dB
Capactance	≤3pF(line-line) ≤12pF(line-PG)	≤3pF(line-line) ≤12pF(line-PG)	≤5000pF(line-line) ≤2500pF(line-PG)	≤5000pF(line-line) ≤2500pF(line-PG)
Connection	RJ45 shield (input/output)	RJ45 shield (input/output)	RJ45 shield (input/output)	RJ45 shield (input/output)
Shield Earthing	Screw terminal	Screw terminal	Screw terminal	Screw terminal
Operating Temperature	-40° to 85°C	-40° to 85°C	-40° to 85°C	-40° to 85°C
Dimensions (mm)	103x78x32	103x78x32	103x78x32	103x78x32
Install Type	DIN-Rail	DIN-Rail	DIN-Rail	DIN-Rail



Industrial PoE Splitter			
Models	IPS60	IPS30	IPS15
Ports	1x PoE (Data+Power in), 1x RJ45 LAN (DATA Output) 2 Pin Connecting Terminal (Power Output), 1 DC Jack (Power Output)	1x PoE (Data+Power in), 1x RJ45 LAN (DATA Output) 2 Pin Connecting Terminal (Power Output), 1 DC Jack (Power Output)	1x PoE (Data+Power in), 1x RJ45 LAN (DATA Output) 2 Pin Connecting Terminal (Power Output), 1 DC Jack (Power Output)
Standard	IEEE802.3at, IEEE802.3bt		IEEE802.3af
Power Supply	36~57VDC	36~57VDC	36~57VDC
Power Output	12VDC	12VDC	12VDC
PoE Output Power	50W	24W	13W
Temperature	-40° to 75°C	-40° to 75°C	-40° to 75°C
Dimensions (mm)	103x78x32	103x78x32	103x78x32
Install Type	DIN-Rail	DIN-Rail	DIN-Rail



Industrial Media Converter (PoE)										
Models	Mode	Wavelength (nm)	Distance	Connector	Data Rate	PoE	Power	Operating Temperature	Dimensions (mm)	
IMC201P-M-SC-05	Multimode	850	550m	SC	1000M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC201P-M-ST-05	Multimode	850	550m	ST	1000M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC201P-S-SC-20	Single Mode	1310	20Km	SC	1000M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC201P-S-SC-60	Single Mode	1550	60Km	SC	1000M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC201P-W-SC-20-A	WDM	TX:1310, RX:1550	20Km	SC	1000M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC201P-W-SC-20-B	WDM	TX:1550, RX:1310	20Km	SC	1000M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC201P-SFP	—	—	—	SFP	1000M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC101P-M-SC-05	Multimode	850	550m	SC	100M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC101P-M-ST-05	Multimode	850	550m	ST	100M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC101P-S-SC-20	Single Mode	1310	20Km	SC	100M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC101P-S-SC-60	Single Mode	1550	60Km	SC	100M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC101P-W-SC-20-A	WDM	TX:1310, RX:1550	20Km	SC	100M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC101P-W-SC-20-B	WDM	TX:1550, RX:1310	20Km	SC	100M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC101P-SFP	—	—	—	SFP	100M	✓	44~57VDC	-40°C~75°C	103x78x32	
IMC201-M-SC-05	Multimode	850	550m	SC	1000M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC201-M-ST-05	Multimode	850	550m	ST	1000M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC201-S-SC-20	Single Mode	1310	20Km	SC	1000M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC201-S-SC-60	Single Mode	1550	60Km	SC	1000M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC201-W-SC-20-A	WDM	TX:1310, RX:1550	20Km	SC	1000M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC201-W-SC-20-B	WDM	TX:1550, RX:1310	20Km	SC	1000M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC201-SFP	—	—	—	SFP	1000M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC101-M-SC-05	Multimode	850	550m	SC	100M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC101-M-ST-05	Multimode	850	550m	ST	100M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC101-S-SC-20	Single Mode	1310	20Km	SC	100M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC101-S-SC-60	Single Mode	1550	60Km	SC	100M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC101-W-SC-20-A	WDM	TX:1310, RX:1550	20Km	SC	100M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC101-W-SC-20-B	WDM	TX:1550, RX:1310	20Km	SC	100M	—	12~57VDC	-40°C~75°C	103x78x32	
IMC101-SFP	—	—	—	SFP	100M	—	12~57VDC	-40°C~75°C	103x78x32	

HP-IDP30-DC



- Input Voltage: 18~32VDC
- Input Current: 2A Max
- Input Frequency: 47Hz~63Hz
- Output Voltage: DC20V
- Output Current: 0.1A-1.5A
- Ripple & Noise: <200mV
- Operating Temperature: 0°C~60°C
- Over-current ,Over-voltage ,Over-temperature & Short-circuit protection
- Dimensions (mm): 83 x 53 x 42mm

Output Current and Voltage Range:

Models	Output Voltage	Output Current Min	Output Current Max	Output Power Max
HP-IDP30-DC	20V	100mA	1.5A	30W

HP-IDP96

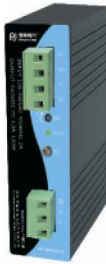


- Input Voltage: 100~240VAC (Range: 90~264VAC)
- Input Current: 2A Max
- Input Frequency: 50/60Hz (Frequency range:47~63Hz)
- Output Voltage: DC24-48V
- Output Current: 0.1A-8A
- Ripple & Noise: 400mV
- Operating Temperature: -40~75°C
- Over-current ,Over-voltage ,Over-temperature & Short-circuit protection
- Dimensions (mm): 128.5 x 115 x 40.5mm

Output Current and Voltage Range:

Models	Output Voltage	Output Current Min	Output Current Max	Output Power Max
HP-IDP96-12	12V	100mA	8A	96W
HP-IDP96-24	24V	100mA	4A	96W
HP-IDP96-48	48V	100mA	2A	96W

HP-IDP120

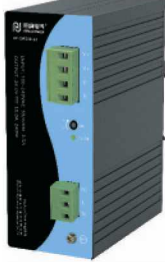


- Input Voltage: 100~240VAC (Range: 90~264VAC)
- Input Current: 2A Max
- Input Frequency: 50/60Hz (Frequency range:47~63Hz)
- Output Voltage: DC24-48V
- Output Current: 0.1A-10A
- Ripple & Noise: 400mV
- Operating Temperature: -40~75°C
- Over-current ,Over-voltage ,Over-temperature & Short-circuit protection
- Dimensions (mm): 128.5 x 115 x 40.5mm

Output Current and Voltage Range:

Models	Output Voltage	Output Current Min	Output Current Max	Output Power Max
HP-IDP120-12	12V	100mA	10A	120W
HP-IDP120-24	24V	100mA	5A	120W
HP-IDP120-48	48V	100mA	2.5A	120W

HP-IDP240



- Input Voltage: 100~240VAC (Range: 90~264VAC)
- Input Current: 3.5A Max
- Input Frequency: 50/60Hz (Frequency range:47~63Hz)
- Output Voltage: DC24-48V
- Output Current: 0.1A-20A
- Ripple & Noise: 400mV
- Operating Temperature: -40~75°C
- Over-current ,Over-voltage ,Over-temperature & Short-circuit protection
- Dimensions (mm): 140 x 138 x 60mm

Output Current and Voltage Range:

Models	Output Voltage	Output Current Min	Output Current Max	Output Power Max
HP-IDP240-12	12V	100mA	20A	240W
HP-IDP240-24	24V	100mA	10A	240W
HP-IDP240-48	48V	100mA	5A	240W

HP-IDP270-UPS



- Input Voltage: 100~240VAC (Range: 90~264VAC)
- Input Current: 3.5A Max
- Input Frequency: 50/60Hz (Frequency range:47~63Hz)
- Output Voltage: (AC Mode) 47-58VDC Max, (Battery Mode) 41-55VDC Max
- Output Current: 0.1A-4A
- Ripple & Noise: <150mV
- Operating Temperature: -40~75°C
- Over-current ,Over-voltage ,Over-temperature & Short-circuit protection
- Dimensions (mm): 140 x 138 x 60mm

Output Current and Voltage Range:

Models	Output Voltage	Output Current Min	Output Current Max	Output Power Max
HP-IDP270-48-UPS	48V	100mA	4A	270W

HP-IDP480



- Input Voltage: 100~240VAC (Range: 90~264VAC)
- Input Current: 6A Max
- Input Frequency: 50/60Hz (Frequency range:47~63Hz)
- Output Voltage: DC24-48V
- Output Current: 0.1A-40A
- Ripple & Noise: 480mV
- Operating Temperature: -40~75°C
- Over-current ,Over-voltage ,Over-temperature & Short-circuit protection
- Dimensions (mm): 147 x 143 x 87.5mm

Output Current and Voltage Range:

Models	Output Voltage	Output Current Min	Output Current Max	Output Power Max
HP-IDP480-12	12V	100mA	40A	480W
HP-IDP480-24	24V	100mA	20A	480W
HP-IDP480-48	48V	100mA	10A	480W

HN-GW268-AC / HN-GW268-DC



Product introduction

This product is a smart device carefully designed for power environment monitoring systems in various industries. It brilliantly solves the embarrassing problem of “small applications and fat systems”, while taking into account the design idea of “large scenarios and easy expansion”, and provides users with solutions that are “deployed on demand and freely retracted”. The product adopts industrial-grade design, and the hardware provides a wealth of interfaces, which can flexibly respond to various usage scenarios; various powerful and user-friendly modules are deployed on the software, which can be customized and developed. Help users obtain the best service and user experience at the best price/performance ratio. The product has the following major advantages:

- ★ One-Stop Service Solution
- ★ Professional Plan and Convenient Implementation
- ★ Complete Function and Strong Extensibility
- ★ Powerful Tools and Easy to use

Equipment as a service, integrated deployment of hardware and software, automated processing of all professional details, customizable communication interfaces, easy-to-understand programming with third parties, and realized code-free/low-code programming configuration.

Product Function

1. Data Collection

2. Command Forwarding

3. Data Operation

4. Protocol Conversion

5. DI Signal Acquisition

6. DO Relay Output

7. Alarm Report
8. Real-time Data

9. Data Storage

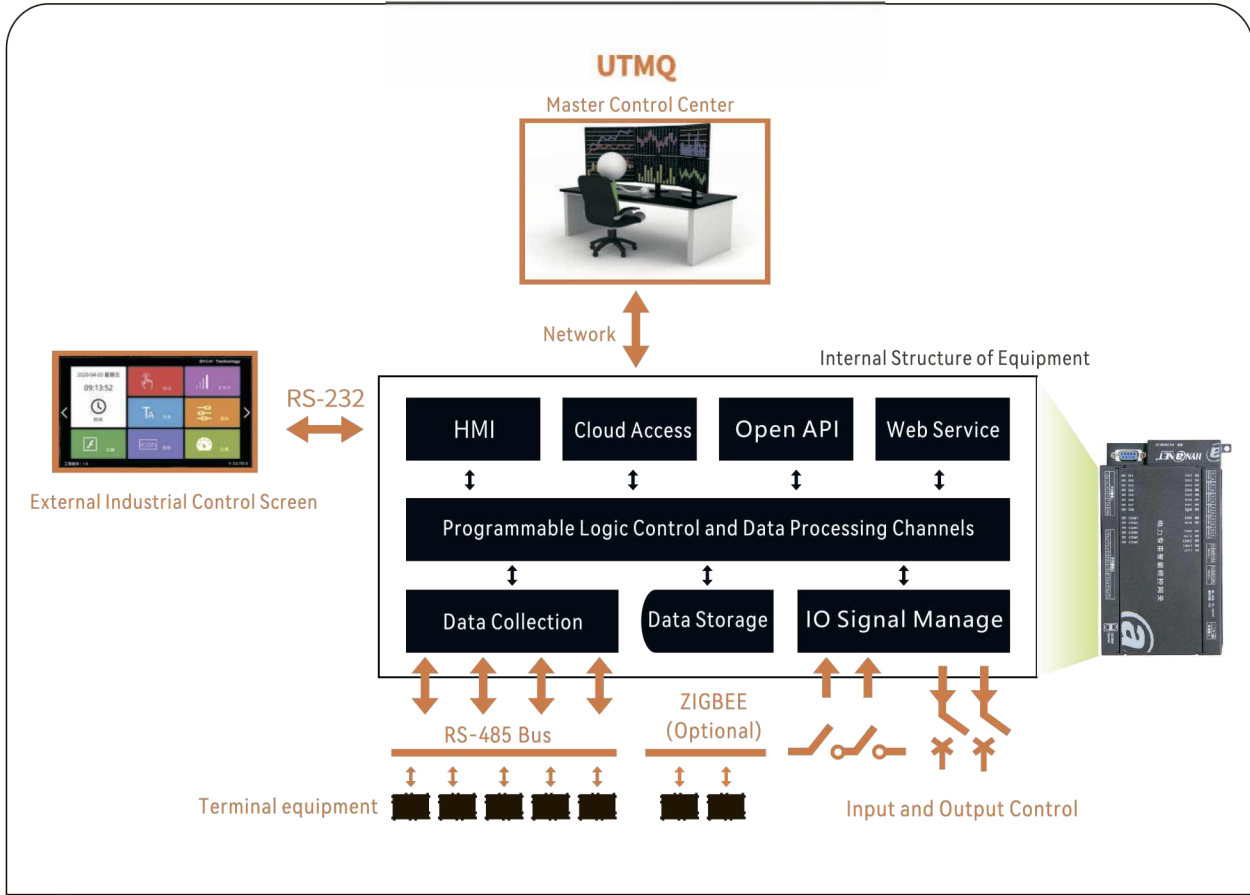
10. Search Statistics

11. Interface Operation

12. Large Screen Display

13. PLC Programming

System block diagram



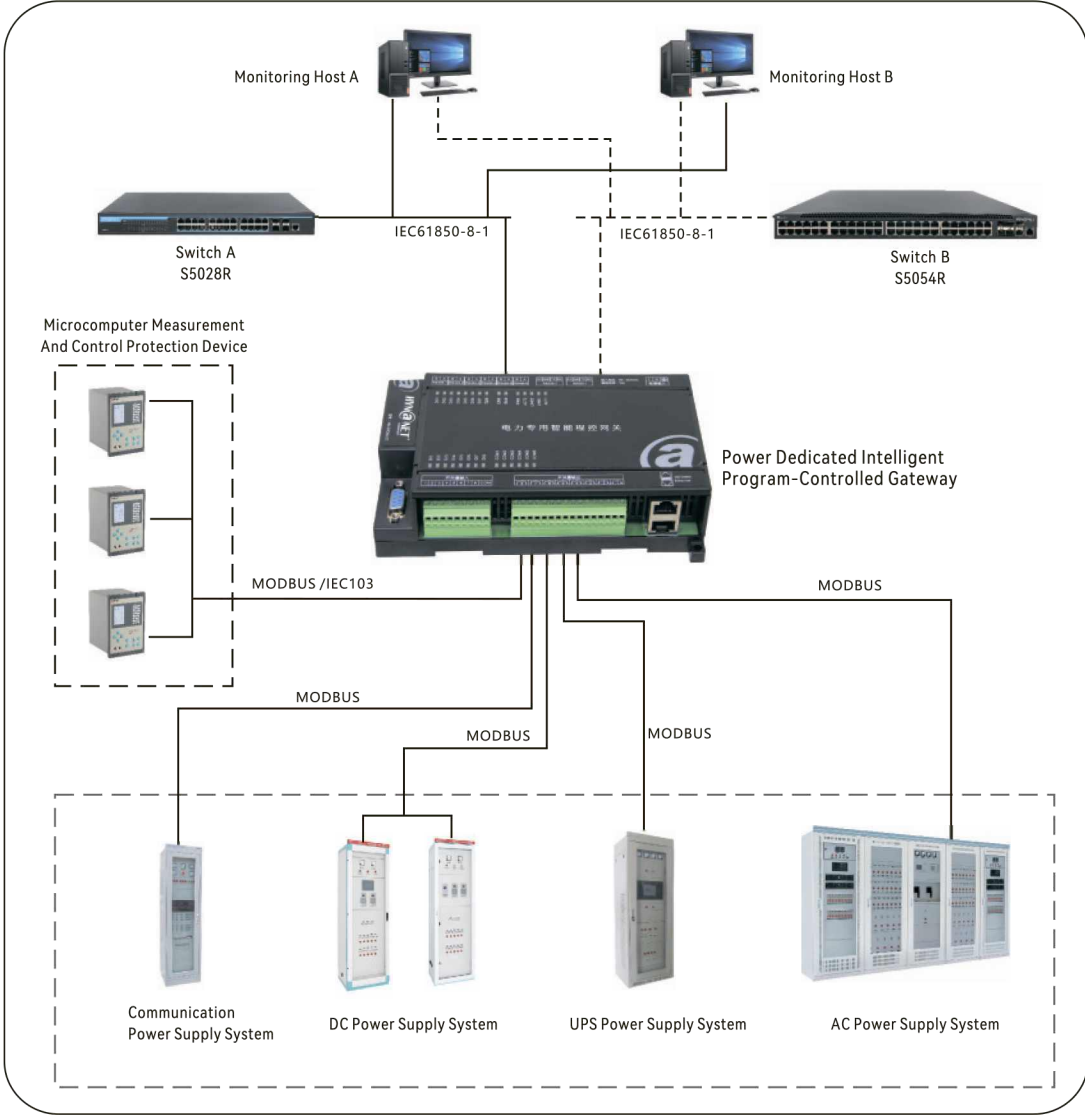
Performance Parameters

Indicator	Parameters	Indicator	Parameters
Input Sensitivity(DI)	Less than 50ms	Command Forwarding Delay	Less than 50ms
Open Sensitivity(DO)	Less than 50ms	Event Reporting Delay	Less than 50ms
Effective Accuracy of Time Scale	Year/Month/Day/Hour/Minute/Second/Millisecond/Microsecond/Nanosecond (2021/05/27/10/56/16/735/504/800)		
Upper Limit of The Number of Data Points	Not less Than 10,000 Points (Uniformly Configured By the Configuration Tool)		
Database Storage Performance	Not less Than 1 Million Records (Rolling Storage)		

Hardware Parameters

Controller		Arm Cortex-a7
Clocked		500mhz
Operating System		Linux
FLASH ROM		512m Bytes Nand Flash
SRAM		512m Bytes Ddr
Switch Output		8 Channels (Relay Load: 30VDC/1A)
Switch Input		8 Channels (Photoelectric Isolation)
RS-485 Interfaces		6 Channels (With Isolation Protection)
RS-232 Interfaces		2 Channels (With Isolation Protection +5V Power Supply, Can Be Connected To Configuration Screen or 4G Module)
Console		1 Channel (With Isolation Protection)
Debug The Network Interface		2 Channels 10/100m Electrical Port(RJ45)
Power	Input Range	100~240V AC/DC
	Consumption	≤ 5W (If An External Configuration Screen or 4G Module Is Connected, The Power Consumption Will Increase Accordingly)
Insulation Level	Isolated Withstand Voltage	Power Supply, Ground, Input, Output, Communication Port: 750VAC, Communication Port-ground: 750VAC
	Insulation Resistance	≥ 100MΩ
MTBF		≥ 50000H
Surge Tolerance Level		Level 3
Fast Transient Group Pulse Disturbance Resistance		Level 4
Operating Conditions	Operating Temperature	-25℃~-55℃
	Storage Temperature	-25℃~+85℃
	Humidity Environmental	Humidity<95%, non-corrosive gas
	Altitude	< 2500m

Typical Applications



Selection Table

Model	Description	Power Supply Specifications
HN-GW268-AC	Power Dedicated Intelligent Program-Controlled Gateway AC Power Supply Method	100~240V AC/DC Power:≤5W
HN-GW268-DC	Power Dedicated Intelligent Program-Controlled Gateway DC Power Supply Method	12~36VDC Power: ≤5W



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продукции в целях её совершенствования и повышения
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