



Industrial Ethernet

High Reliability & Connectivity



PLANET
Networking & Communication

19" Rackmount Managed Ethernet Switches

	L2+ Ring			L3
Model	IGSW-24040T	IGS-5225-20T4C2X	IGS-5225-24P4S	IGS-6330-24T4S

Product Image



PoE

Hardware	10/100/1000BASE-T	24	24	24	24
	10/100BASE-TX	-	-	-	-
	1000 mini-GBIC	4 (Combo)			4
	100BASE-FX	Compatible			
	10G SFP+ Slot	-	2 (1000X Compatible)	-	-
	Switch Fabric	48Gbps	88Gbps	48Gbps	56Gbps
	DI/DO	2DI/DO			-
Power	Inputs	Dual 36~60V DC 100~240V AC		Dual 48~56V DC 100~240V AC	Dual 12~48V DC
	Connector	6-pin terminal block, AC socket			4-pin terminal block
	Consumption	30 watts	42.7 watts	500 watts	20.8 watts
Mechanical	Dimensions (W x D x H)	440 x 200 x 44.5 mm	440 x 200 x 44.5 mm	440 x 300 x 44.5 mm	440 x 253 x 44 mm
	Enclosure	IP30 metal			
	Mounting	Rackmount			
Environment	Operating Temperature	-40~75 degrees C			
	Operating Humidity	5% to 95%RH (Non-condensing)			
Regulatory	Emissions	FCC Class A, CE Class A			
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)			
PoE	PoE Standard	-	-	802.3af/802.3at	-
	PoE Port	-	-	24	-
	PoE Budget	-	-	440 watts max.	-
	PSE Type	-	-	End-span	-
	Power Pin Assignment	-	-	1/2(+), 3/6(-)	-
Layer 3 Features	IP Interfaces	8 VLAN	128 VLAN	8 VLAN	8 VLAN
	Routing Tables	32	32	32	512
	Routing Protocols	IPv6/IPv4 Static Routing			IPv4 Static Routing, RIP, OSPF & VRRP
	Hardware Accelerated	-	●	-	●
Protocol	VLAN	Port-based VLAN/IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/MAC-based VLAN/Protocol-based VLAN/Voice VLAN/MVR			IEEE 802.1Q VLAN/Port-based VLAN/Q-in-Q
	IGMP Snooping	v1/v2/v3/query			
	Spanning Tree	802.1w/802.1s			
	Data Redundancy	ERPS Ring < 20ms			RSTP/MSTP
	QoS	Port-based/802.1P/IP DSCP Policy-based/Voice VLAN			Port-based/802.1P/IP DSCP Policy-based
	Security	802.1x, Static MAC, MAC filter, Port Security and IP Security			802.1X, Static MAC
	Traffic Control	In/out rate limit, storm control			
Management	Interface	Console, Web, telnet, SSH and SSL			
	SNMP	v1, v2c, v3 and trap			
	Alarm	Power and port alarm			
	System Log	System Log and remote Syslog			

Metro Fiber Switches

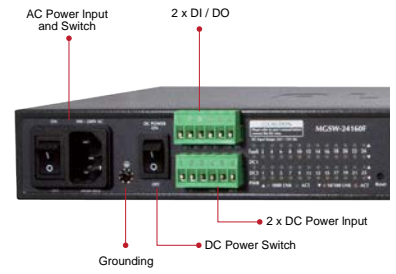
	13" Rackmount	19" Rackmount	
Model	MGSD-10080F	MGSW-24160F	MGSW-28240F

Product Image



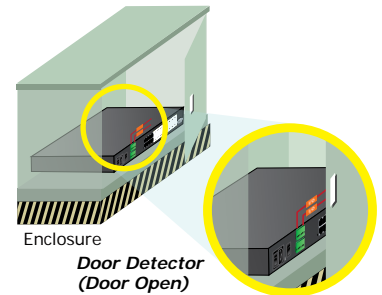
Hardware	10/100/1000BASE-T	2	8	4 (Combo)
	10/100BASE-TX	-	-	-
	1000 mini-GBIC	8	16	24
	100BASE-FX	Compatible	Compatible	Compatible
	10G SFP+ Slot	-	-	4 (1000X Compatible)
	Switch Fabric	20Gbps	48Gbps	128Gbps
	DI/DO	2DI/DO	2DI/DO	2DI/DO
Power	Inputs	Dual 36~72V DC 100~240V AC	Dual 36~60V DC 100~240V AC	
	Connector	6-pin terminal block, AC socket		
	Consumption	11.2 watts	45 watts	54 watts
Mechanical	Dimensions (W x D x H)	330 x 155 x 43.5 mm	440 x 200 x 44.5 mm	440 x 200 x 44.5 mm
	Enclosure	Metal chassis		
	Mounting	Rackmount		
Environment	Operating Temperature	-10~60 degrees C		
	Operating Humidity	5% to 95%RH (Non-condensing)		
Regulatory	Emissions	FCC Class A, CE Class A		
	Stability	-	-	-
PoE	PoE Standard	-	-	-
	PoE Port	-	-	-
	PoE Budget	-	-	-
	PSE Type	-	-	-
	Power Pin Assignment	-	-	-
Layer 3 Features	IP Interfaces	8 VLAN	8 VLAN	128 VLAN
	Routing Tables	32	32	32
	Routing Protocols	IPv6/IPv4 Static Routing	IPv6/IPv4 Static Routing	IPv6/IPv4 Static Routing
	Hardware Accelerated	-	-	•
Protocol	VLAN	Port-based VLAN/IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/MAC-based VLAN/Protocol-based VLAN/Voice VLAN/MVR		
	IGMP Snooping	v1/v2/v3/query		
	Spanning Tree	802.1w/802.1s		
	Data Redundancy	ERPS Ring < 20ms	RSTP/MSTP	ERPS Ring < 20ms
	QoS	Port-based/802.1P/IP DSCP Policy-based/Voice VLAN		
	Security	802.1x, Static MAC, MAC filter, Port Security and IP Security		
	Traffic Control	In/out rate limit, storm control		
Management	Interface	Console, Web, telnet, SSH and SSL		
	SNMP	v1, v2c, v3 and trap		
	Alarm	Power and port alarm		
	System Log	System Log and remote Syslog		

Fully Front Panel Access Design



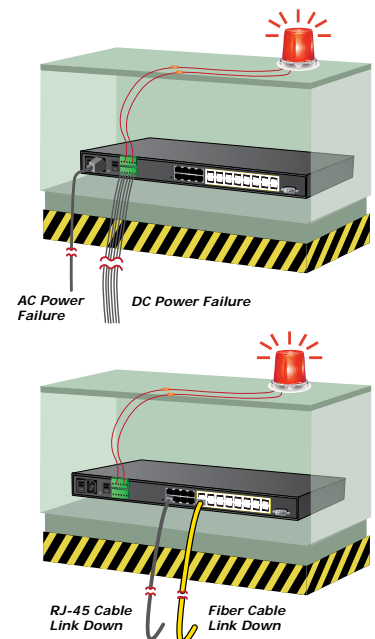
AC Power, DC Power, Digital I/O, and Network Access are all managed on the front panel.

Digital Input



Designed for intrusion and environment detection to protect the assets.

Digital Output



Designed for AC, DC, Link alteration

DIN-rail Managed Ethernet Switches

	L2+ Ring				L2/L4
Model	IGS-20040MT	IGS-12040MT	IGS-10020MT	IGS-10080MFT	IGS-801M



Hardware	10/100/1000BASE-T	16	8	8	2	8
	10/100BASE-TX	-	-	-	-	-
	1000 mini-GBIC	4	16	2	8	-
	100BASE-FX	Compatible	Compatible	Compatible	Compatible	-
	10G SFP+ Slot	-	-	-	-	-
	Switch Fabric	40Gbps	48Gbps	20Gbps	-	16Gbps
	DI/DO	2DI/DO	2DI/DO	-	-	-
Power	Inputs	Dual 12~48V DC or 24V AC	Dual 12~72V DC or 24V AC	Dual 12~48V DC or 24V AC		
	Connector	6-pin terminal block				
	Consumption	17 watts	12 watts	10 watts	13.92 watts	10 watts
Mechanical	Dimensions (W x D x H)	72 x 107 x 152 mm		56 x 87.8 x 135 mm	72 x 107 x 152 mm	32 x 87 x 135 mm
	Enclosure	IP30 aluminum				IP30 metal
	Mounting	DIN-rail, wall-mountable				
Environment	Operating Temperature	-40~75 degrees C				
	Operating Humidity	5% to 95%RH (Non-condensing)				
Regulatory	Emissions	FCC Class A, CE Class A				
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)				
PoE	PoE Standard	-	-	-	-	-
	PoE Port	-	-	-	-	-
	PoE Budget	-	-	-	-	-
	PSE Type	-	-	-	-	-
	Power Pin Assignment	-	-	-	-	-
Layer 3 Features	IP Interfaces	8 VLAN	8 VLAN	8 VLAN	8 VLAN	-
	Routing Tables	32	32	32	32	-
	Routing Protocols	IPv6/IPv4 Static Routing				
	Hardware Accelerated	-	-	-	-	-
Protocol	VLAN	Port-based VLAN/IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/MAC-based VLAN/Protocol-based VLAN/Voice VLAN/MVR				IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/Protocol-based VLAN/Voice VLAN/GVRP
	IGMP Snooping	v1/v2/v3/query	v1/v2/v3/query	v1/v2/v3/query	v1/v2/v3/query	v2/v3/query
	Spanning Tree	802.1w/802.1s				
	Data Redundancy	ERPS Ring < 20ms				RSTP/MSTP
	QoS	Port-based/802.1P/IP DSCP Policy-based/Voice VLAN				
	Security	802.1x, Static MAC, MAC filter, Port Security and IP Security				
	Traffic Control	In/out rate limit, storm control				
Management	Interface	Console, Web, telnet, SSH and SSL		Web, telnet, SSH and SSL	Console, Web, telnet, SSH and SSL	Web, telnet, SSH and SSL
	SNMP	v1, v2c, v3 and trap				
	Alarm	Power and port alarm		Power alarm	Power alarm	Power alarm
	System Log	System Log and remote Syslog				

DIN-rail Power over Ethernet Managed Ethernet Switches

	802.3af PoE			802.3at PoE+		
Model	ISW-504PS	ISW-514PS/ISW-514PSF	IGS-10020PT	IGS-10020HPT	IGS-20160HPT	



Hardware	10/100/1000BASE-T	-	-	8	8	18
	10/100BASE-TX	5	4	-	-	-
	1000 mini-GBIC	-	-	2	2	2
	100BASE-FX	-	PS: 1 SC/MM/2km PSF: 1 SFP/vary on SFP	Compatible	Compatible	Compatible
	LRP Port	-	-	-	-	-
	Switch Fabric	1Gbps		20Gbps	20Gbps	40Gbps
	DI/DO	-	-	2DI/DO	2DI/DO	2DI/DO
Power	Inputs	Dual 24 or 48V DC		Dual 48V DC		Dual 48-56V DC
	Connector	6-pin terminal block				
	Consumption	70.56 watts	80.2 watts	161.9 watts	306 watts	440 watts
Mechanical	Dimensions (W x D x H)	56 x 87.8 x 135 mm		72 x 107 x 152 mm		82 x 107 x 152 mm
	Enclosure	IP30 aluminum				
	Mounting	DIN-rail, wall-mountable				
Environment	Operating Temperature	-10~60 degrees C		-40~75 degrees C		
	Operating Humidity	5% to 95%RH (Non-condensing)				
Regulatory	Emissions	FCC Class A, CE Class A				
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)				
PoE	PoE Standard	802.3af			802.3af/802.3at	
	PoE Port	4	4	8	8	16
	PoE Budget	60 watts max.		130 watts max.	270 watts max.	400 watts max.
	PSE Type	End-span				
	Power Pin Assignment	1/2(+), 3/6(-)				
Layer 3 Features	IP Interfaces	-	-	8 VLAN		
	Routing Tables	-	-	32		
	Routing Protocols	-	-	IPv6/IPv4 Static Routing		
	Hardware Accelerated	-	-	-	-	-
Protocol	VLAN	Port-based VLAN/IEEE 802.1Q VLAN		Port-based VLAN/IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/MAC-based VLAN/Protocol-based VLAN/Voice VLAN/MVR		
	IGMP Snooping	-	-	v1/v2/v3/query		
	Spanning Tree	-	-	802.1w/802.1s		
	Data Redundancy	-	-	ERPS Ring < 20ms		
	QoS	Port-based/802.1P/IP DSCP		Port-based/802.1P/IP DSCP Policy-based/Voice VLAN		
	Security	-	-	802.1x, Static MAC, MAC filter, Port Security and IP Security		
	Traffic Control	In/out rate limit		In/out rate limit, storm control		
Management	Interface	Web		Console, Web, telnet, SSH and SSL		
	SNMP	-	-	v1, v2c, v3 and trap		
	Alarm	-	-	Power and port alarm		
	System Log	-	-	System Log and remote Syslog		

DIN-rail Power over Ethernet Managed Switches

	802.3at PoE+			Ultra PoE	PoC
Model	IGS-604HPT-RJ	IGS-4215-4P4T	IGS-4215-4P4T2S	IGS-5225-4UP1T2S	LRP-422CST












Hardware	10/100/1000BASE-T	6 (Waterproof RJ45)	8	8	5	2
	10/100BASE-TX	-	-	-	-	-
	1000 mini-GBIC	-	-	2	2	2
	100BASE-FX	-	-	Compatible	Compatible	Compatible
	LRP Port	-	-	-	-	4 x BNC female connectors
	Switch Fabric	12Gbps	16Gbps	20Gbps	14Gbps	8.8Gbps
	DI/DO	-	-	-	2DI/DO	-
Power	Inputs	Dual 48-56V DC				
	Connector	5-pin A-Coded M12 male connector	6-pin terminal block			
	Consumption	160 watts	160 watts	170 watts	280 watts	156 watts
Mechanical	Dimensions (W x D x H)	163 x 103 x 53 mm	72 x 107 x 152 mm			
	Enclosure	IP67 aluminum	IP30 aluminum			
	Mounting	DIN-rail, wall-mountable				
Environment	Operating Temperature	-40-75 degrees C				
	Operating Humidity	5% to 95%RH (Non-condensing)				
Regulatory	Emissions	FCC Class A, CE Class A				
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)				
PoE	PoE Standard	802.3af/802.3at			Ultra PoE (802.3at Compliant)	Power over Coaxial
	PoE Port	4	4	4	4	4
	PoE Budget	144 watts			240 watts	144 watts
	PSE Type	End-span			Mid-span + End-span	-
	Power Pin Assignment	1/2(+), 3/6(-)			Pair1: 1/2(+), 3/6(-) Pair2: 4/5(-), 7/8(+)	-
Layer 3 Features	IP Interfaces	8 VLAN	-	-	8 VLAN	-
	Routing Tables	32	-	-	32	-
	Routing Protocols	IPv6/IPv4 Static Routing	-	-	IPv6/IPv4 Static Routing	-
	Hardware Accelerated	-	-	-	-	-
Protocol	VLAN	Port-based VLAN/IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/MAC-based VLAN/Protocol-based VLAN/Voice VLAN/MVR	IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/Protocol-based VLAN/Voice VLAN/GVRP		Port-based VLAN/IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/MAC-based VLAN/Protocol-based VLAN/Voice VLAN/MVR	IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/Protocol-based VLAN/Voice VLAN/GVRP
	IGMP Snooping	v1/v2/v3/query	v2/v3/query		v1/v2/v3/query	v2/v3/query
	Spanning Tree	802.1w/802.1s				
	Data Redundancy	ERPS Ring < 20ms	RSTP/MSTP		ERPS Ring < 20ms	RSTP/MSTP
	QoS	Port-based/802.1P/IP DSCP Policy-based/Voice VLAN				
	Security	802.1x, Static MAC, MAC filter, Port Security and IP Security				
	Traffic Control	In/out rate limit, storm control				
Management	Interface	Web, telnet, SSH and SSL	Console, Web, telnet, SSH and SSL			
	SNMP	v1, v2c, v3 and trap				
	Alarm	Power and port alarm	Power alarm		Power and port alarm	Power alarm
	System Log	System Log and remote Syslog				

Industrial Power over Ethernet Unmanaged Switches

		802.3af PoE				802.3at PoE+		Ultra PoE
Model		ISW-504PT	ISW-514PT	ISW-514PTF	IVC-2004PT	IGS-504HPT	IGS-624HPT	IPOE-E174
Product Image								
Hardware	10/100/1000BASE-T	-	-	-	-	5	4	5
	10/100BASE-TX	5	4	4	4	-	-	-
	1000BASE-SX/LX	-	-	-	-	-	2	-
	100BASE-FX	-	1/MM/2km	1	-	-	Compatible	-
	Fiber Connector Type	-	SC	SFP	-	-	SFP	-
	Switch Fabric	1Gbps				10Gbps	12Gbps	10Gbps
MAC Table	1K						8K	
Mechanical	Dimensions (W x D x H)	56 x 87.8 x 135 mm				92 x 105 x 152 mm		56 x 87.8 x 135 mm
	Enclosure	IP30 aluminum				IP30 aluminum		IP30 metal
	Power Requirement	Dual 24V or 48V DC				Dual 48V DC		End-span + Mid-span
	Mounting	DIN-rail, wall-mountable						
Regulatory	EMI/Safety	FCC Class A, CE						
Environment	Operating Temperature	-40~75 degrees C						
PoE	PoE Standard	802.3af				802.3af/802.3at		
	PoE Port	4	4	4	4	4	4	4
	PoE Budget	60 watts max.				120 watts max.		50 watts max.
	PSE Type	End-span						
	Power Pin Assignment	1/2(+), 3/6(-)						

Industrial Power over Ethernet Injectors, Splitters, Extenders

		PoE Injector		PoE Splitters		Passive PoE Injector	PoC Extender		
Model		IPOE-171	IPOE-162	IPOE-171S	IPOE-162S	POE-165S	VC-203PT	VC-203PR	
Product Image									
									
PoE	Interface	1 x RJ45 data, 1 x RJ45 PoE out		1 x RJ45 data, 1 x RJ45 PoE in		1 x RJ45 PoE in 1 x RJ45 Passive PoE out	1 x RJ45 PoE in 1 x BNC PoE out	1 x BNC PoE in 1 x RJ45 PoE out	
	Data Rate	10/100/1000Mbps					10/100Mbps		
	PoE Standard	Ultra PoE PSE	802.3at PSE	Ultra PoE PD	802.3at PD	802.3at PD Passive PoE PSE	802.3af/802.3at		
	PoE PSE Port	1 x RJ45		-	-	1 x RJ45	1 x BNC	1 x RJ45	
	PoE Budget	60 watts max.	30 watts max.	50 watts max.	25 watts max.	16.8 watt max.	25 watts max.	20 watts max.	
	Output Voltage	56V DC	52V DC	12/19/24V DC	12/24V DC	12/19/24V DC	52V DC	48~56V DC	
	Power Pin Assignment	Pair1: 1/2(+), 3/6(-) Pair2: 4/5(-), 7/8(+)	4/5(+), 7/8(-)	-	-	4/5(+), 7/8(-)	-	1/2(+), 3/6(+)	
Mechanical	Dimensions (W x D x H)	32 x 87.8 x 135 mm				94 x 70.3 x 26.2 mm	94 x 70.3 x 39.2 mm		
	Enclosure	IP30 metal				Metal	IP30 metal		
	Power Requirement	Dual 24V/48V DC or 24V AC		Ultra PoE	802.3at PoE	802.3at PoE	802.3at PoE	PoC	
	Mounting	DIN-rail, wall-mountable							
Regulatory	EMI/Safety	FCC Class A, CE							
Environment	Operating Temperature	-40~75 degrees C							

Flat-type Managed Ethernet Switches

	Switches		PoE+ Switches	
Model	WGS-4215-8T	WGS-4215-8T2S	WGS-4215-8P2S	WGS-804HPT

Product Image



Hardware	10/100/1000BASE-T	8	8	8	8
	10/100BASE-TX	-	-	-	-
	1000 mini-GBIC	-	2	2	-
	100BASE-FX	-	Compatible	Compatible	-
	10G SFP+ Slot	-	-	-	-
	Switch Fabric	7Gbps	20Gbps	20Gbps	16Gbps
	DI/DO	-	-	-	-
Power	Inputs	12-48V DC or 24V AC		Dual 48-56V DC	
	Connector	3-pin terminal block, DC socket			
	Consumption	7 watts	7.9 watts	220 watts	152 watts
Mechanical	Dimensions (W x D x H)	148 x 25 x 134 mm	178 x 25 x 134 mm	178 x 25 x 134 mm	148 x 25 x 134 mm
	Enclosure	IP30 metal			
	Mounting	DIN-rail, wall-mountable and magnetic wall mount			
Environment	Operating Temperature	-40-75 degrees C			
	Operating Humidity	5% to 95%RH (Non-condensing)			
Regulatory	Emissions	FCC Class A, CE Class A			
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)			
PoE	PoE Standard	-	-	802.3af/802.3at	
	PoE Port	-	-	8	4
	PoE Budget	-	-	200 watts	144 watts
	PSE Type	-	-	End-span	
	Power Pin Assignment	-	-	1/2(+), 3/6(-)	
Layer 3 Features	IP Interfaces	-	-	-	-
	Routing Tables	-	-	-	-
	Routing Protocols	-	-	-	-
	Hardware Accelerated	-	-	-	-
Protocol	VLAN	IEEE 802.1Q VLAN/Q-in-Q/Private VLAN/Protocol-based VLAN/Voice VLAN/GVRP			
	IGMP Snooping	v2/v3/query			
	Spanning Tree	802.1w/802.1s			
	Data Redundancy	RSTP/MSTP			
	QoS	Port-based/802.1P/IP DSCP Policy-based/Voice VLAN			
	Security	802.1x, Static MAC, MAC filter, Port Security and IP Security			
	Traffic Control	In/out rate limit, storm control			
Management	Interface	Web, telnet, SSH and SSL			
	SNMP	v1, v2c, v3 and trap			
	Alarm	-	-	-	-
	System Log	System Log and remote Syslog			

Flat-type Unmanaged Ethernet Switches

Flat-type Wireless LAN

		Switch		PoE+ Switch			Access Point			
		Model		WGS-803	WGS-804HP			Model	WDAP-W7200AC	
Product Image						Product Image				
Hardware	10/100/1000BASE-T	8		8		Wireless	Standard	IEEE802.11a/b/g/n/ac		
	10/100BASE-TX	-		-			Max. Data Rate	300+867Mbps		
	1000 mini-GBIC	-		-			MIMO Technology	2T2R		
	100BASE-FX	-		-			Antenna	2.4G: 5dBi 5G: 5dBi		
	Fiber Connector Type	-		-			LAN	10/100BASE-TX	1 x RJ45, auto-negotiation, auto-MDI/MDI-X	
	Switch Fabric	16Gbps		16Gbps				100BASE-FX	-	
	MAC Table	-		-				Power over Ethernet	1-port 802.3at PoE PD	
Power	Inputs	12~48V DC or 24V AC		Dual 48~56V DC		Mechanical	Dimensions (W x D x H)	148 x 41 x 140 mm		
	Connector	3-pin terminal block, DC socket					Weight	470g		
Mechanical	Dimensions (W x D x H)	148 x 25 x 134 mm					Enclosure	IP30 metal		
	Enclosure	IP30 metal					Mounting	DIN-rail, wall-mountable and magnetic wall mount		
	Mounting	DIN-rail, wall-mountable and magnetic wall mount				Power		Inputs	IEEE 802.3af/at PoE 48~56V DC input	
Environment	Operating Temperature	-10~60 degrees C					Connector	RJ45		
Regulatory	Emissions	FCC Class A, CE Class A					Consumption	20 watts max.		
	PoE	PoE Standard	-		802.3af/802.3at		Environment	Operating Temperature	-10~60 degrees C	
PoE Port		-		4		Regulatory		Emissions	FCC Class A, CE Class A	
PoE Budget		-		120 watts						
PSE Type		-		End-span						
Power Pin Assignment		-		1/2(+), 3/6(-)						

Flat-type Ethernet Switch Features



Dual Power Input



Flat Design



DIN-rail Installation



Power over Ethernet



Fiber Connection



Magnetic Installation













Front Access



Wireless Connection

Industrial Long Reach PoE Injectors & Extenders

		Long Reach PoE Injectors			Long Reach PoE Extenders	
Model	LRP-101CH	LRP-101UH	LRP-422CST	LRP-101CE	LRP-101UE	
Product Image						
						
Ethernet Interfaces	10/100BASE-TX	1 x RJ45 w/ PoE PD		-	1 x RJ45 w/ PoE PSE	1 x RJ45 w/ PoE PSE
	10/100/1000BASE-T	-	-	2	-	-
	1000BASE-SX/LX	-	-	2 (100BASE-FX Compatible)	-	-
	PoE Power	-	-	-	56V DC, 600mA max.	48~56V DC, 600mA max.
	Cabling	Cat5e or above			Cat5e or above	
	Maximum Distance	100m			100m	
Long Reach PoE Interfaces	Connectivity	1 x BNC female (PSE)	1 x RJ45 Copper (PSE)	4 x BNC female (PSE)	1 x BNC female (PD)	1 x RJ45 Copper (PD)
	Cabling	Coaxial cable: 75ohm	Copper: 4-pair or 1-pair UTP	Coaxial cable: 75ohm	Coaxial cable: 75ohm	Copper: 4-pair or 1-pair UTP
	Maximum Distance	1000m	500m	1000m	1000m	500m
	Data Rate	200m: 93Mbps/93Mbps 1000m: 55Mbps/73Mbps	200m: 94Mbps/94Mbps 500m: 30Mbps/30Mbps	200m: 93Mbps/93Mbps 1000m: 52Mbps/50Mbps	200m: 93Mbps/93Mbps 1000m: 55Mbps/73Mbps	200m: 94Mbps/94Mbps 500m: 30Mbps/30Mbps
	Power Output	48~56V DC, 36 watts max.			-	-
	Total Power Budget	36 watts max.		144 watts max.	-	-
	Encryption	AES128-bit	AES128-bit	AES128-bit	AES128-bit	AES128-bit
PoE Ability	PoE Standard	Power over coaxial	Power over UTP	Power over coaxial	802.3af/802.3at	802.3af/at
	PoE Port	1 x BNC female (PSE)	1 x UTP	4 x BNC female (PSE)	1 x RJ45 (PSE)	1 x RJ45 (PSE)
	PoE Power Output	41~56V DC		-	56V DC, 600mA max.	48~56V DC, 600mA max.
Intelligent Power Control	Over Temperature Protection	-	-	●	-	-
	PD Alive Check	-	-	●	-	-
	PoE Schedule	-	-	●	-	-
	Power Limit	-	-	●	-	-
	Scheduled Power Recycling	-	-	●	-	-
Protocols	VLAN	-	-	802.1Q, Q-in-Q, Voice VLAN, Private VLAN	-	-
	Spanning Tree	-	-	802.1D/802.1w/802.1s	-	-
	IGMP Snooping	-	-	v1, v2, v3	-	-
Management	Interface	-	-	Console, Telnet, HTTP	-	-
	SNMP	-	-	v1, v2c, v3, trap	-	-
	SSH/SSL	-	-	● / ●	-	-
Physical	Dimensions (W x D x H)	94 x 70 x 26mm		107 x 72 x 152 mm	94 x 70 x 26mm	
	Power Requirements	DC: 48~56V DC, PoE: 802.3at input		Dual 48~56V DC	37~56V DC PoC	37~56V DC PoC
	Operating Temperature	-20~70 degrees C		-40~75 degrees C	-20~70 degrees C	
Regulator	EMI/Safety			FCC Class A, CE		

Long Reach PoE Extender

Model LRP-104CET

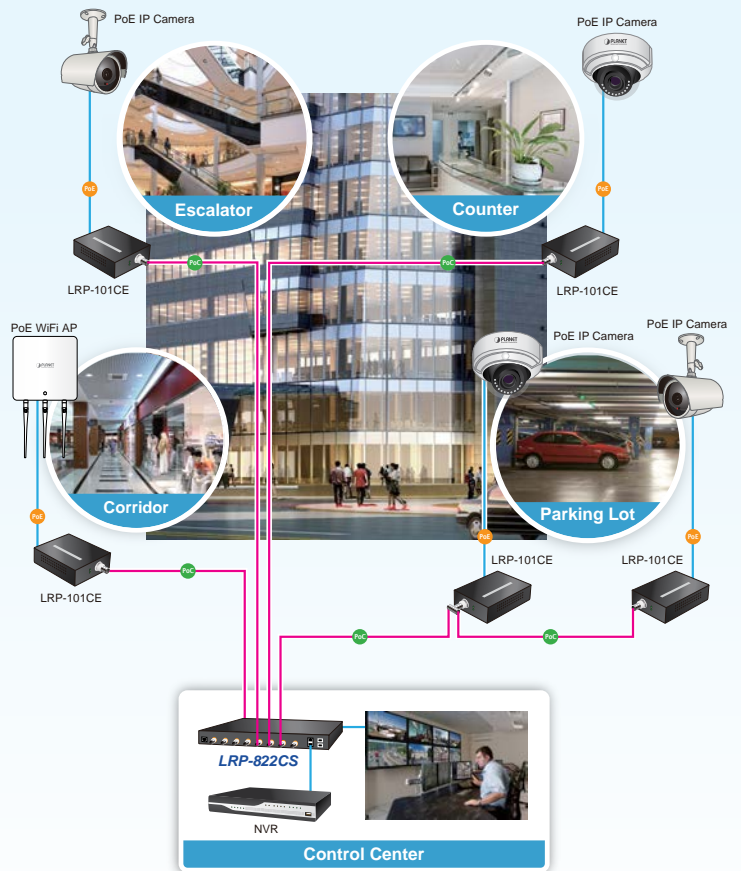
Product Image



Ethernet Interfaces	10/100BASE-TX	4 x RJ45 w/ PoE PSE
	10/100/1000BASE-T	-
	1000BASE-SX/LX	-
	PoE Power	56V DC, 600mA max.
	Cabling	Cat5e or above
	Maximum Distance	100m
Long Reach PoE Interfaces	Connectivity	1 x BNC female (PD)
	Cabling	Coaxial cable: 75ohm
	Maximum Distance	1000m
	Data Rate	200m: 93Mbps/93Mbps 1000m: 52Mbps/50Mbps
	Power Output	-
	Total Power Budget	-
	Encryption	AES128-bit
PoE Ability	PoE Standard	802.3af/at
	PoE Port	4 x RJ45 (PSE)
	PoE Power Output	56V DC, 600mA max.
Intelligent Power Control	Over Temperature Protection	-
	PD Alive Check	-
	PoE Schedule	-
	Power Limit	-
Protocols	Scheduled Power Recycling	-
	VLAN	-
	Spanning Tree	-
Management	IGMP Snooping	-
	Interface	-
	SNMP	-
Physical	SSH/SSL	-
	Dimensions (W x D x H)	107 x 72 x 152 mm
	Power Requirements	37~56V DC PoC/ Dual 48~56V DC
Regulator	Operating Temperature	-40~75 degrees C
	EMI/Safety	FCC Class A, CE








Long Reach PoE Solution

Most Cost-effective Extension via Existing Cable






- 100BASE-TX UTP
- 100BASE-TX UTP with PoE
- Coaxial Cable with Data + Power

Unmanaged Fast Ethernet Switches








Fast Ethernet								
Model	ISW-501T	ISW-801T	ISW-511*	ISW-511S15 *	ISW-621*	ISW-621S15 *	ISW-621TF	
Product Image								
Hardware	10/100BASE-TX	5	8	4	4	4	4	4
	10/100/1000BASE-T	-	-	-	-	-	-	-
	1000BASE-FX	-	-	1/Multi-mode/2km	1/Single mode/15km	2/Multi-mode/2km	2/Single mode/15km	2 SFP Slots
	Switch Fabric	1Gbps	1.6Gbps	1Gbps	1Gbps	1.2Gbps	1.2Gbps	1.2Gbps
	MAC Table	2k	2k	2k	2k	2k	2k	2k
	Memory Buffer	448k bits	448k bits	448k bits	448k bits	448k bits	448k bits	448k bits
Protocol	Auto-negotiation	●	●	●	●	●	●	●
	802.3x Flow Control	●	●	●	●	●	●	●
Power	Inputs	12-48VDC, Dual power input						
	Connector	6-pin Removable Terminal Block						
	Consumption	3.9 watts	5.1 watts	5.4 watts	5.4 watts	7.9 watts	7.9 watts	7.9 watts
Mechanical	Dimensions (W x D x H)	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm
	Enclosure	IP30 metal	IP30 metal	IP30 metal	IP30 metal	IP30 metal	IP30 metal	IP30 metal
	Mounting	DIN-Rail, Wall-mountable						
Environment	Operating Temperature	-40~75 degrees C			-10~60 degrees C *			-40~75 degrees C
	Operating Humidity	5% to 95%RH (Non-condensing)						
Regulatory	Emissions / Safety	FCC Class A, CE Class A		FCC Class A, CE Class A, UL, cUL		FCC Class A, CE Class A		
	Stability	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)						

* Wide Temperature models (-40~75 degrees C): ISW-511T, ISW-511TS15, ISW-621T, ISW-621TS15

Unmanaged Gigabit Ethernet Switches

Gigabit				
Model	IGS-501T	IGS-801T	IGS-620TF	
Product Image				
Hardware	10/100/1000BASE-T	5	8	4
	10/100BASE-TX	-	-	-
	1000BASE-SX/LX	-	-	2 (100BASE-FX Compatible)
	Switch Fabric	10Gbps	16Gbps	12Gbps
	MAC Table	8k	8k	1k
	Memory Buffer	176k Bytes	176k Bytes	-
Protocol	Auto-negotiation	●	●	●
	802.3x Flow Control	●	●	●
Power	Inputs	12-48VDC, Dual power input		
	Connector	6-pin Removable Terminal Block		
	Consumption	11.9 watts	13.2 watts	12 watts
Mechanical	Dimensions (W x D x H)	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm	32 x 87.8 x 135 mm
	Enclosure	IP30 metal	IP30 metal	IP30 metal
	Mounting	DIN-rail, Wall-mountable		
Environment	Operating Temperature	-40~75 degrees C		
	Operating Humidity	5% to 95%RH (Non-condensing)		
Regulatory	Emissions / Safety	FCC Class A, CE Class A, UL, cUL		FCC Class A, CE Class A
	Stability	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)		

Waterproof Industrial Ethernet Switches & Extenders

		M12 Switches		RJ45 Switch	RJ45 Extender
Model		ISW-800T-M12	ISW-804PT-M12	IGS-604HPT-RJ	IPOE-E202
Product Image					
					
Hardware	Interface	8 x M12 D-coding 4-pin socket		6 x IP67 waterproof RJ45	3 x IP63 waterproof RJ45
	Data Rate	10/100Mbps		10/100/1000Mbps	
	Power over Ethernet	-	4-port 802.3af PoE PSE	4-port 802.3af/at PoE PSE	1-port 802.3at PoE PD 2-port 802.3af/at PoE PSE
	Switch Fabric	1.6Gbps		12Gbps	6Gbps
Mechanical	Dimensions (W x D x H)	103 x 53 x 163 mm		103 x 53 x 163 mm	199.6 x 81 x 40 mm
	Weight	976g	990g	1010g	320g
	Enclosure	IP67 aluminum			IP63 aluminum
	Mounting	DIN-rail, wall-mountable			Wall-mountable
Power	Inputs	Dual 12-48V DC	Dual 48V DC	Dual 48-56V DC	50-57V DC PoE
	Connector	M12 A-coding 5-pin socket			RJ45
	Consumption	4 watts	65 watts	160 watts	30 watts
Environment	Operating Temperature	-40-75 degrees C			
	Operating Humidity	5% to 95%RH (Non-condensing)			
Regulatory	Emissions/Safety	FCC Class A, CE Class A			
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)			

Weather-proof for Hardened Environment






-40°C









?

75°C







▶ **IGS-604HPT-RJ**

Industrial Media Converters





Fast Ethernet				
Model	IFT-802T	IFT-802TS15	IFT-805AT	
Product Image				
Copper	Copper Interface	1 x 10/100BASE-TX, RJ45, Auto-negotiation, Auto-MDI/MDI-X		
Fiber	Optical Interface	100BASE-FX		
	Optical Connector	SC	SFP	
	Optical Mode	Multi-mode	Single mode	Vary on module
	Max. Distance	2km	15km	Vary on module
	Optic Wavelength	1310nm		Vary on module
	Fiber-optic Cable	50/125µm or 62.5/125µm multi-mode	9/125µm single mode	Vary on module
Mechanical	Dimensions (W x D x H)	32 x 87.8 135 mm		
	Weight	400g		
	Enclosure	IP30 metal		
	Mounting	DIN-rail, wall-mountable		
Power	Inputs	Dual 12~48V DC		
	Connector	6-pin removable terminal block		
	PoE	-	-	-
	Consumption	4.6 watts max.		
Environment	Operating Temperature	-40~75 degrees C		
	Operating Humidity	5% to 95%RH (Non-condensing)		
Regulatory	Emissions	FCC Class A, CE Class A		
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)		
Management	-	-	-	

Gigabit						
Model	IGT-805AT	IGT-1205AT	IGT-902T	IGT-902TS	IGT-905A	IGTP-805AT
Product Image						
						
Copper	Copper Interface	1 x 10/100/1000BASE-T, RJ45, Auto-negotiation, Auto-MDI/MDI-X				
Fiber	Optical Interface	100/1000BASE-X	1000BASE-LX		100/1000BASE-X	1000BASE-X
	Optical Connector	SFP	SC		SFP	
	Optical Mode	Vary on module	Multi-mode	Single mode	Vary on module	
	Max. Distance	Vary on module	200m~550m	10km	Vary on module	
	Optic Wavelength	Vary on module	850nm	1310nm	Vary on module	
	Fiber-optic Cable	Vary on module	50/125µm or 62.5/125µm multi-mode	9/125µm single mode	Vary on module	
Mechanical	Dimensions (W x D x H)	32 x 87.8 135 mm				
	Weight	458g	400g	405g	500g	
	Enclosure	IP30 metal				
	Mounting	DIN-rail, wall-mountable				
Power	Inputs	Dual 12~48V DC				
	Connector	6-pin removable terminal block				
	PoE	-	-	-	-	IEEE 802.3af/at PoE Injector
	Consumption	3.3 watts max.	7.5 watts max.	7.7 watts max.		33 watts max.
Environment	Operating Temperature	-40~75 degrees C		-30~75 degrees C		-40~75 degrees C
	Operating Humidity	5% to 95%RH (Non-condensing)				
Regulatory	Emissions	FCC Class A, CE Class A				
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)				
Management	-	-	Web, SNMPv1, v2c, RMON, 802.3ah OAM/TS-1000 OAM, in/out bandwidth control, 802.1QVLAN, Q-inQ, TOS/DSCP/802.1p QoS, TCP/UDP packet filter			-

Industrial Ethernet Extenders

		DIN-rail		Wall-mount	
Model		IVC-2002	IVC-2004PT	VC-201A	VC-202A
Product Image					
 					
Copper	Copper Interface	4 x 10/100BASE-TX RJ45	4 x 10/100BASE-TX 802.3af PoE Injector	1 x 10/100BASE-TX RJ45	
Extended Port	Coaxial	1 BNC, female connector		-	1 BNC, female connector
	UTP	1 RJ11, female connector		1 RJ11, female connector	-
	Max. Performance (Download/Upload)	<ul style="list-style-type: none"> Coaxial Cable: Up to 100/65Mbps@300m UTP: Up to 100/60Mbps@300m 		Up to 100/65Mbps@300m	
	Max. Distance	<ul style="list-style-type: none"> Coaxial Cable: Up to 2.4km UTP: Up to 1.4km 		Up to 1.6km	Up to 3km
Mechanical	Cabling	<ul style="list-style-type: none"> Coaxial Cable: 50ohm, RG58A/U, RG58/U75ohm, RG6 Twisted-pair telephone wires (AWG24 or better) 		Twisted-pair telephone wires (AWG24 or better)	Coaxial Cable: 50ohm, RG58A/U, RG58/U75ohm, RG6
	Dimensions (W x D x H)	32 x 87.8 135 mm	56 x 87.8 x 135 mm	70 x 97 x 26 mm	
	Weight	495g	631g	400g	405g
	Enclosure	IP30 metal	IP30 aluminum	metal	
Power	Mounting	DIN-rail, wall-mountable		Wall-mountable, chassis installation	
	Inputs	Dual 12~48V DC	Dual 48V DC	5V DC	
	Connector	6-pin removable terminal block		DC Jack	
Environment	Consumption	5.64 watts max.	66.4 watts max.	5.64 watts max.	6.3 watts max.
	Operating Temperature	-40~75 degrees C		0~50 degrees C	
Regulatory	Operating Humidity	5% to 95%RH (Non-condensing)		10% to 95%RH (Non-condensing)	
	Emissions	FCC Class A, CE Class A			
Functionality	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)		-	-
Functionality		Master/Slave mode select, selectable BNC and RJ11 mode, selectable target band plan, selectable target SNR mode		CO/CPE mode select, selectable fast and interleaved mode, selectable target band plan, selectable target SNR mode	

Industrial Serial over Ethernet Converters

Industrial Serial over Ethernet Converters					
Model		ICS-2100	ICS-2102	ICS-2102S15	ICS-2105A
Product Image					
Serial Port	Interface	RS232/RS422/RS485			
	Connector	RS232: DB9, RS422/RS485: 4-pin terminal block			
	Baud Rate (Data Rate)	100bps to 921Kbps			
	Data Bits	5, 6, 7, 8			
	Stop Bits	1, 2			
	Flow Control	None, RTS/CTS, Xon/Xoff			
Fast Ethernet Port	Standard	10/100BASE-TX	100BASE-FX		
	Connector	RJ45	SC/Multi-mode	SC/Single-mode	SFP/Vary on module
	Optical Wavelength	-	1300nm	1310nm	Vary on module
	Max. Distance	100m	2km	15km	Vary on module
Power	Protection	Built-in 1.5KV magnetic isolation			
	Power Supply	Dual 12~48V DC, 6-pin removable terminal block			
Mechanical	Power Consumption	10.1 watts			
	Dimensions (W x D x H)	32 x 87.8 135 mm			
	Enclosure	IP30 metal			
Environment	Mounting	DIN-rail, wall-mountable			
	Operating Temperature	-10~60 degrees C			
Regulatory	Operating Humidity	10% to 90%RH (Non-condensing)			
	Emissions	FCC Class A, CE Class A			
Management	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)			
	Interface	Web management, VCOM			
Operation Mode		Virtual COM port, TCP server, UDP server, UDP client, pair connection			

Industrial Indoor Wireless LANs

Indoor Wireless Access Points

ModelIAP-2000PEIAP-2001PEIAP-2000PSWDAP-W7200AC

Product Image



Wireless	Standard	IEEE 802.11b/g/n			IEEE802.11a/b/g/n/ac
	Max. Data Rate	300Mbps			300+867Mbps
	MIMO Technology	2T2R			2T2R
	Antenna	5dBi, selectable RP-SMA			2.4G: 5dBi 5G: 5dBi
LAN	10/100BASE-TX	4 x RJ45, auto-negotiation, auto-MDI/MDI-X			1 x RJ45, auto-negotiation, auto-MDI/MDI-X
	100BASE-FX	-	1 x SFP slot	-	-
	Power over Ethernet	1-port 802.3af PoE PD		4-port 802.3af PoE PSE	1-port 802.3at PoE PD
Mechanical	Dimensions (W x D x H)	56 x 87.8 x 135 mm			148 x 41 x 140 mm
	Weight	871g	880g	880g	470g
	Enclosure	IP30 aluminum			IP30 metal
	Mounting	DIN-rail, wall-mountable			DIN-rail, wall-mountable and magnetic wall mount
Power	Inputs	Dual 12~48V DC or 24V AC		Dual 24/48V DC or 24V AC	802.3at PoE, 48~56V DC
	Connector	6-pin removable terminal block			RJ45
	Consumption	9 watts max.		70 watts max.	20 watts max.
Environment	Operating Temperature	-10~60 degrees C			
	Operating Humidity	5% to 95%RH (Non-condensing)			10% to 90%RH (Non-condensing)
Regulatory	Emissions	FCC Class A, CE Class A			
	Stability	IEC60068-2-32 (Free Fall), IEC60068-2-27 (Shock), EC60068-2-6 (Vibration)			

Touch Pad

Mobile

AP Controller

Notebook



Mini PC

Mount Wi-Fi onto the Wall by any Method

1200Mbps 802.11ac Dual Band Wall-mount Wireless Access Point ▶ WDAP-W7200AC

Industrial Outdoor Wireless LANs

2.4GHz Outdoor Wireless Access Points

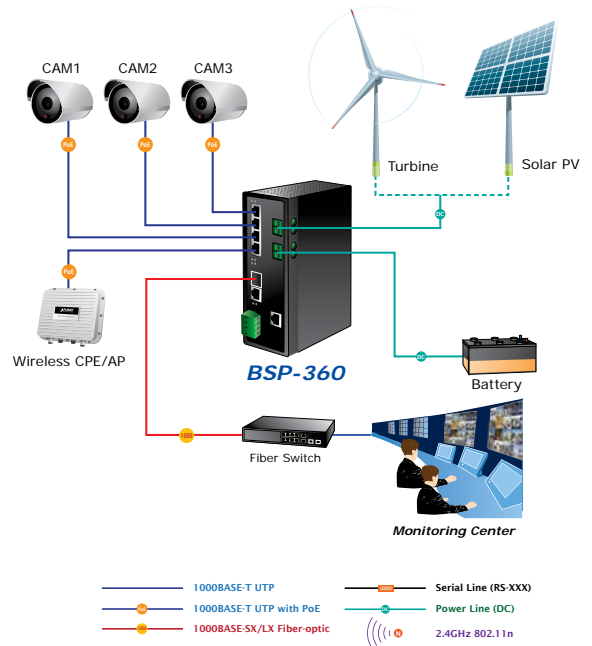
Model	WNAP-6308	WNAP-6315	WNAP-6325	WNAP-6335	WNAP-6350	
Product Image						
Wireless	Frequency	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
	Standard	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n
	Max. Data Rate	150Mbps	150Mbps	300Mbps	300Mbps	300Mbps
	MIMO Technology	1T1R	1T1R	2T2R	2T2R	2T2R
	Antenna	N-Type	12-dBi FP/1 x RP-SMA	12dBi	2 x RP-SMA	2 x N(F) connector
	Max. TX Power	23dBm	27dBm	27dBm	27dBm	27dBm
	Mode	AP, AP client, WDS, bridge, WISP	AP/router, client, WDS PTP, WDS PTMP, WISP, Repeater	AP, AP client, WDS, bridge, WISP	AP/router, client, WDS PTP, WDS PTMP, WISP	AP, AP client, WDS, bridge, WISP
LAN	10/100BASE-TX	1 x RJ45	2 x RJ45	2 x RJ45	2 x RJ45	2 x RJ45
	Power over Ethernet	Passive PoE	Passive PoE	Passive PoE	Passive PoE	802.3af/at PoE
Mechanical	Dimensions (L x W x H)	205 x 40 mm	127 x 63 x 254 mm	127 x 63 x 254 mm	127 x 63 x 254 mm	239 x 269 x 80mm
	Enclosure	IP65	IP55	IP55	IP55	IP67
Power	Inputs	12V DC, 1A	12V DC, 1A	24V DC, 1A	24V DC, 1A	IEEE 802.3af/at PoE/48V DC
Environment	Operating Temperature	-20~70 degrees C	-20~70 degrees C	-20~70 degrees C	-20~70 degrees C	-30~75 degrees C
	Operating Humidity	5% to 95%RH (Non-condensing)				
Regulatory	Emissions	FCC Class A, CE Class A				

5GHz Outdoor Wireless Access Points

Model	WNAP-7320	WNAP-7325	WNAP-7335	WNAP-7350	WDAP-8350	
Product Image						
Wireless	Frequency	5GHz	5GHz	5GHz	5GHz	2.4GHz/5GHz
	Standard	IEEE802.11a/n	IEEE 802.11 a/n	IEEE802.11a/n	IEEE 802.11 a/n	IEEE802.11a/b/g/n
	Max. Data Rate	300Mbps	300Mbps	300Mbps	300Mbps	300+300Mbps
	MIMO Technology	2T2R	2T2R	2T2R	2T2R	2T2R
	Antenna	14dBi	14dBi	2 x RP-SMA	2 x N(F) connector	4 x N(F) connector
	Max. TX Power	27dBm	27dBm	27dBm	27dBm	27dBm
	Mode	AP, AP client, WDS, bridge, WISP	AP, AP client, WDS, bridge, WISP	AP/router, client, WDS PTP, WDS PTMP, WISP	AP, AP client, WDS, bridge, WISP	AP, WDS PTP, WDS PtMP
LAN	10/100BASE-TX	2 x RJ45	2 x RJ45	2 x RJ45	2 x RJ45	1 *Gigabit
	Power over Ethernet	Passive PoE	Passive PoE	Passive PoE	802.3af/at PoE	802.3at PoE
Mechanical	Dimensions (L x W x H)	127 x 63 x 254 mm	127 x 63 x 254 mm	127 x 63 x 254 mm	239 x 269 x 80 mm	220 x 95 x 220mm
	Enclosure	IP55	IP55	IP55	IP67	IP66
Power	Inputs	24VDC, 0.5A	Passive PoE/24V DC	24V DC, 1A	IEEE 802.3af/at PoE/48V DC	52V DC 802.3at PoE
Environment	Operating Temperature	-30 ~ 75 °C	-20~70 degrees C	-20~70 degrees C	-30~75 degrees C	-40~70 degrees C
	Operating Humidity	5% to 95%RH (Non-condensing)				
Regulatory	Emissions	FCC Class A, CE Class A				

Solar Power PoE Switch

Model		BSP-360	BSP-300
Product Image			
LAN	10/100/1000 1000X	5 1 SFP (shared)	3 -
PoE	802.3at	4	2
PoE Budget	per port 30 watts (max.)		
PSE Type	end-span		
PoE Power Pin	1/2(+), 3/6 (-)		
PoE Power Voltage	52V DC		
Management	Web/SNMP	RS232	
System Voltage/Battery Requirement	24V DC		
Power IN	solar or turbines 24-45V DC		
Max. Charge Current	15A	15A	
Max. Output Current	15A	15A	
Features	<ul style="list-style-type: none"> * 24V DC, 2A output load * Low voltage protection and alert * PoE schedule and management * Fiber extension 		<ul style="list-style-type: none"> * 24V DC, 2A output load * Low voltage protection



Note: Please check the Website for detailed Fiber Link Budget; in some circumstances, optic attenuator is required to protect the sensitive optic components.

Industrial Gigabit SFP Modules

Model	MGB-TSX	MGB-TLX	MGB-TL30	MGB-TL70	MFB-TFX	MFB-TF20
Product Image						
PHY Type	1000BASE-SX	1000BASE-LX		100BASE-FX		
Fiber Type	Multi-mode	Single mode		Multi-mode	Single mode	
Connector	LC					
Wavelength	850nm	1310nm		1550nm	1310nm	
Maximum Distance	220m & 550m	10km	30km	70km	2km	20km
Operating Temperature	-40~75 degrees C					

Fast Ethernet Transceivers (100BASE-BX, Single Fiber Bi-directional SFP)







Model	MFB-TFA20	MFB-TFB20	MFB-TFA40	MFB-TFB40
Product Image				
Speed (Mbps)	100			
Connector Interface	WDM (LC)			
Fiber Mode	Single mode			
Distance	20km	20km	40km	40km
Wavelength (TX)	1310nm	1550nm	1310nm	1550nm
Wavelength (RX)	1550nm	1310nm	1550nm	1310nm
Operating Temp.	-40~75 degrees C			

Gigabit Ethernet Transceivers (1000BASE-BX, Single Fiber Bi-directional SFP)

Model	MGB-TLA10	MGB-TLB10	MGB-TLA20	MGB-TLB20
Product Image				
Speed (Mbps)	1000			
Connector Interface	WDM (LC)			
Fiber Mode	Single mode			
Distance	10km	10km	20km	20km
Wavelength (TX)	1310nm	1550nm	1310nm	1550nm
Wavelength (RX)	1550nm	1310nm	1550nm	1310nm
Operating Temp.	-40~75 degrees C			

Model	MGB-TLA40	MGB-TLB40	MGB-TLA60	MGB-TLB60
Product Image				
Speed (Mbps)	1000			
Connector Interface	WDM (LC)			
Fiber Mode	Single mode			
Distance	40km	40km	60km	60km
Wavelength (TX)	1310nm	1550nm	1310nm	1550nm
Wavelength (RX)	1550nm	1310nm	1550nm	1310nm
Operating Temp.	-40~75 degrees C			

DIN-rail Power Supplies

Model	PWR-40-24	PWR-60-24	PWR-75-24	PWR-120-48	PWR-240-48	PWR-480-48	
Product Image							
Power Output	Budget	40 watts	60 watts	75 watts	120 watts	240 watts	480 watts
	DC Voltage	24V, 1.7A	24V, 2.5A	24V, 3.2A	48V, 2.5A	48V, 5A	48V, 10A
Power Input	Voltage	100-240V AC, 50/60Hz, 1.1A	100-240V AC, 50/60Hz, 1.8A	100-240V AC, 50/60Hz, 2.0A	100-240V AC, 50/60Hz, 3.3A	100-240V AC, 50/60Hz, 3.5A	100-240V AC, 50/60Hz, 5.0A
Mechanical	Dimensions (W x H x D)	40 x 90 x 100 mm	40 x 90 x 100 mm	55 x 125 x 100 mm	65 x 125 x 100 mm	125 x 125 x 100 mm	85.5 x 128.5 x 125.2 mm
	Weight	0.3kg	0.33kg	0.6kg	0.79kg	1.2kg	1.6kg
	Installation	DIN-rail TS-35/7.5 or 15					
Environment	Operating Temperature	-20~70 degrees C		-10~60 degrees C		-10~70 degrees C	-25~70 degrees C
	Storage Temperature	-40~85 degrees C		-20~85 degrees C		-20~85 degrees C	
	Operating Humidity	20~90%					
	Storage Humidity	10~95% (Non-condensing)					
Safety & Function	UL508, UL60950-1, TUV EN60950-1 approved, NEC class2/LPS compliant			UL508, TUV EN6095-1 approved		UL508, UL60950-1, TUV EN6095-1 approved	



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