















Industial Ethernet Switch **Management, DIN-RAIL**

·Layer - 2 •Non-POE • POE



























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Industrial Ethernet Switch Management, Layer 2, Din-Rail











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BC-441212

BC-75-48

1000



Input 85-264VAC to 48VDC, 1.6A(76W) Industrial DIN-Rail Power Supply BC-120-48
Input 176-264VAC to 48VDC, 2.5A(120W) Industrial DIN-Rail Power Supply

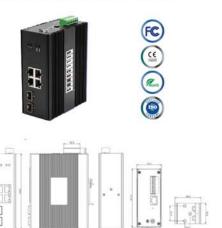
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BC-60-48 Input 200-240VAC to 48VDC, 1.25A(60W) Industrial DIN-Rail Power Supply, IP67 สามารถกันน้ำและกันฟุ่นได้



4-ports 10/100/1000Mbps PoE to 2-ports 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 4*10/100/1000Base-T with POE af/at port and 2*1.25G/155M SFP fiber port. Full-series design with protection against lightning,anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

The twisted-pair port also injects power down the cable, allowing a remote Power over Ethernet Device to operate without the need of any additional power source. All Power over Ethernet Powered Devices (IEEE 802.3af/at complaint) are supported, as the Power Sourcing Equipment (PSE) device can deliver a full 15.4W / 30W of power to the remote PD device.

Feature and Descriptions

- ERPS (G.8032)
- · Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- 4KV surge protection for UTP and fiber ports
 SFP 100/1000Base-X
- IP40 Aluminum metal case protection
- · DIN-rail default, Wall Mount kits optional
- · Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Specification	Descriptions	Specification	Descriptions
Standards	IEEE802.3 10BASE-T; IEEE802.3u 100Base-TX	Security	
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X	ACL	ACL (IP Standard ACL), IPV4/IPV6
	IEEE802.3x Flow control and back pressure;		MAC extend ACL;IP extend ACL
	IEEE802.1Q VLAN IEE802.3af/at POE		Support matching L2, L3, L4 layer fields
	IEEE802.1w RSTP IEEE802.1s MSTP, IEEE802.1d STP		Support log, redirection, mirroring, speed limit
Switching Capacity	12Gbps/non-blocking	QoS	QoS Class, Remarking
MAC Address Table	8K	22.7	SP, WRR queue scheduling
ata Buffer	4M		SP.WRR. SP+WRR
laximum Frame Size	9.6K Jumbo Frame		Ingress Port-based Rate-limit
Copper	4*10/100/1000Base-T. RJ45		Ingress Priority-based Rate-limit
оррог	ESD protection, EFT protection		Egress Port-based Rate-limit
iber	2*100/1000Base-X.SFP Slot		Egress Queue-based Rate-limit
OE	PIN: 1/2(+), 3/6(-), Power range: DC48-57V		Policy-based QoS
OL.	Output power / working time management		Storm Control
Console	RS232 (RJ45)		IEEE 802.1p 8 active priorities queues for per port
Key Switch	Reset	Dot1x	Port Access Control
ower	DC:48V~58V, redundant power inputs, 6-PIN Removable Terminal Block		User Access Control
OWEI	Overload voltage protection, Overload current protection		Mac-address Access Control
	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV		RADIUS Server
ED Indicators		IP Source Guard	
	PWR, RUN, Link/Act, Speed, Fiber Link, POE -40 °C ~ +85 °C	IP Source Guard	Support dynamic table entries
Operating Temperature		ADD Inneredian	Support static table entries
Relative Humidity	5-95% (no condensation)	ARP Inspection	Support dynamic table entries
lousing	IP40 Protection, Aluminum Alloy, fan-less	D 10 3	Support static table entries
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)	Port Security	Supported
Dimensions	169*117*50mm(device); 235*170*95mm(packing)	Access Management	Supported
Veight	0.75kg(device); 0.93kg(device with packing)		
Regulations	CE/FCC/ROSH	Management	12 1 1 1 1 1
		User management	Password protection
ayer 2 Feature		SNMP	SNMP V1/v2C/V3
ort Features	IEEE 802.3x flow control, Interface counters, Storm control	RMON	Statistics Group, History Group, Alarm Group, Events Group
	Port isloated	CLI	Support
ink Aggregation	Static aggregation, Dynamic aggregation, LACP	RADIUS client	Support
1irror	Port-based mirror, Vlan-Based, Flow-Based	Web management	HTTP V1.1, HTTPS
panning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP	Firmware Upgrade	Reversion Upgrade
'LAN	Port-based VLAN, access/trunk/hybrid-port,	Syslog/Debug	Support
	4094 IEEE802.1Q VLAN VID, GVRP	IPV4/IPV6	Support
Aac-address table	IEEE 802.1q, MAC address: 8K	Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
	Support MAC address automatic learning and aging		Trace route(ipv6)
	Static mac-address, Dynamic mac-address, Security mac-address	Application	
oop Protection	Supported	NTP	NTP Client
rivate VLAN	Supported	DHCP	DHCP Client
RPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance	DHCP Snooping	Trust Port
And the second s	Recovery Time < 50ms	Telnet	Telnet Server
ayer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check	TETP	TFTP Client
	IGMP Fast Leave; Filter, Agent	SSH	SSH Server

Order Part Number as Below.

Part Number.

BC-44124

Descriptions

4-port 10/100/1000Mbps PoE to 2-port 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



8-ports 10/100/1000Mbps PoE to 2-ports 100/1000M Base–X SFP Fiber Uplink Layer-2 Switch Management Industrial



Overview

Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 8*10/100/1000Base-T with POE af/at port and 2*1.25G/155M SFP fiber port. Full-series design with protection against lightning,anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

The twisted-pair port also injects power down the cable, allowing a remote Power over Ethernet Device to operate without the need of any additional power source. All Power over Ethernet Powered Devices (IEEE 802.3af/at complaint) are supported, as the Power Sourcing Equipment (PSE) device can deliver a full 15.4W / 30W of power to the remote PD device.

Descriptions

Feature and Descriptions

- ERPS (G.8032)
- Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
- 2.25K VDC Hi-pot isolation protection for Ethernet ports and power

Specification

- 4KV surge protection for UTP and fiber ports
 SFP 100/1000Base-X
 RJ45 Support auto MDI/MDI-X Function

- IP40 Aluminum metal case protection
- DIN-rail default, Wall Mount kits optional
- Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Specification	Descriptions
Standards	IEEE802.3 10BASE-T; IEEE802.3u 100Base-TX
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X
	IEEE802.3x Flow control and back pressure;
	IEEE802.1Q VLAN IEE802.3af/at POE
	IEEE802.1w RSTP IEEE802.1s MSTP, IEEE802.1d STP
Switching Capacity	20Gbps/non-blocking
MAC Address Table	8K
Data Buffer	4M
Maximum Frame Size	9.6K Jumbo Frame
Copper	8*10/100/1000Base-T, RJ45
	ESD protection, EFT protection
Fiber	2*100/1000Base-X,SFP Slot
POE	PIN: 1/2(+), 3/6(-), Power range: DC48-57V
	Output power / working time management
Console	RS232 (RJ45)
Key Switch	Reset
Power	DC:48V~58V, redundant power inputs, 6-PIN Removable Terminal Blo
	Overload voltage protection, Overload current protection
	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link, POE
Operating Temperature	-40 °C ~ +85 °C
Relative Humidity	5-95% (no condensation)
Housing	IP40 Protection, Aluminum Alloy, fan-less
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)
Dimensions	169*117*50mm(device); 235*170*95mm(packing)
Weight	0.75kg(device); 0.93kg(device with packing)
Regulations	CE/FCC/ROSH
T T T T T T T T T T T T T T T T T T T	
Layer 2 Feature	
Port Features	IEEE 802.3x flow control, Interface counters, Storm control
	Port isloated
Link Aggregation	Static aggregation, Dynamic aggregation, LACP
Mirror	Port-based mirror, Vlan-Based, Flow-Based
Spanning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP
VLAN	Port-based VLAN, access/trunk/hybrid-port,
	4094 IEEE802.1Q VLAN VID, GVRP
Mac-address table	IEEE 802.1q, MAC address: 8K
	Support MAC address automatic learning and aging
	Static mac-address, Dynamic mac-address, Security mac-address
Loop Protection	Supported
Private VLAN	Supported
ERPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance
	Recovery Time < 50ms
Layer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check
	IGMP Fast Leave; Filter, Agent

Security	
ACL	ACL (IP Standard ACL), IPV4/IPV6
	MAC extend ACL; IP extend ACL
	Support matching L2, L3, L4 layer fields
	Support log, redirection, mirroring, speed limit
QoS	QoS Class, Remarking
	SP, WRR gueue scheduling
	SP,WRR, SP+WRR
	Ingress Port-based Rate-limit
	Ingress Priority-based Rate-limit
	Egress Port-based Rate-limit
	Egress Queue-based Rate-limit
	Policy-based QoS
	Storm Control
	IEEE 802.1p 8 active priorities queues for per port
Dot1x	Port Access Control
	User Access Control
	Mac-address Access Control
	RADIUS Server
IP Source Guard	Support dynamic table entries
	Support static table entries
ARP Inspection	Support dynamic table entries
	Support static table entries
Port Security	Supported
Access Management	Supported
Management	
User management	Password protection
SNMP	SNMP V1/v2C/V3
RMON	Statistics Group, History Group, Alarm Group, Events Group
CLI	Support
RADIUS client	Support
Web management	HTTP V1.1, HTTPS
Firmware Upgrade	Reversion Upgrade
Syslog/Debug	Support
IPV4/IPV6	Support
Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
	Trace route(ipv6)
Application	
NTP	NTP Client
DHCP	DHCP Client
DHCP Snooping	Trust Port
Telnet	Telnet Server
TFTP	TFTP Client
SSH	SSH Server

Order Part Number as Below.

Part Number. BC-44228

Descriptions

8-port 10/100/1000Mbps PoE to 2-port 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



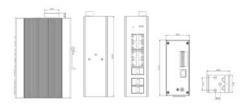
8-ports 10/100/1000Mbps PoE to 6-ports 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial











Overview

Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 8*10/100/1000Base-T with POE af/at port and 6*1.25G/155M SFP fiber port. Full-series design with protection against lightning,anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

The twisted-pair port also injects power down the cable, allowing a remote Power over Ethernet Device to operate without the need of any additional power source. All Power over Ethernet Powered Devices (IEEE 802.3af/at complaint) are supported, as the Power Sourcing Equipment (PSE) device can deliver a full 15.4W / 30W of power to the remote PD device.

Feature and Descriptions

- ERPS (G.8032)
- · Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
- 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- 4KV surge protection for UTP and fiber ports
 SFP 100/1000Base-X
- IP40 Aluminum metal case protection
- · DIN-rail default, Wall Mount kits optional
- · Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Specification	Descriptions
Standards	IEEE802.3 10BASE-T: IEEE802.3u 100Base-TX
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X
	IEEE802.3x Flow control and back pressure;
	IEEE802.1Q VLAN IEE802.3af/at POE
	IEEE802.1w RSTP IEEE802.1s MSTP, IEEE802.1d STP
Switching Capacity	28Gbps/non-blocking
MAC Address Table	8K
Data Buffer	4M
Maximum Frame Size	9.6K Jumbo Frame
Copper	8*10/100/1000Base-T, RJ45
Соррог	ESD protection, EFT protection
Fiber	6*100/1000Base-X,SFP Slot
POE	PIN: 1/2(+), 3/6(-), Power range: DC48-57V
FOL	Output power / working time management
Console	RS232 (RJ45)
Key Switch	Reset
Power	DC:48V~58V, redundant power inputs, 6-PIN Removable Terminal Bloc
LOWEL	Overload voltage protection, Overload current protection
	Developed voltage protection, Overload current protection
CED In Protection	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link, POE
Operating Temperature	-40 °C ~ +85 °C
Relative Humidity	5-95% (no condensation)
Housing	IP40 Protection, Aluminum Alloy, fan-less
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)
Dimensions	169*117*50mm(device); 235*170*95mm(packing)
Weight	0.75kg(device); 0.93kg(device with packing)
Regulations	CE/FCC/ROSH
Layer 2 Feature	
Port Features	IEEE 802.3x flow control, Interface counters, Storm control
	Port isloated
Link Aggregation	Static aggregation, Dynamic aggregation, LACP
Mirror	Port-based mirror, Vlan-Based, Flow-Based
Spanning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP
VLAN	Port-based VLAN, access/trunk/hybrid-port,
	4094 IEEE802.1Q VLAN VID, GVRP
Mac-address table	IEEE 802.1g, MAC address: 8K
	Support MAC address automatic learning and aging
	Static mac-address, Dynamic mac-address, Security mac-address
Loop Protection	Supported
Private VLAN	Supported
ERPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance
2111 0 (0.0002)	Recovery Time < 50ms
Layer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check
Ealer E managar	IGMP Fast Leave; Filter, Agent

Specification	Descriptions
Security	
ACL	ACL (IP Standard ACL), IPV4/IPV6
	MAC extend ACL;IP extend ACL
	Support matching L2, L3, L4 layer fields
	Support log, redirection, mirroring, speed limit
QoS	QoS Class, Remarking
	SP, WRR queue scheduling
	SP.WRR, SP+WRR
	Ingress Port-based Rate-limit
	Ingress Priority-based Rate-limit
	Egress Port-based Rate-limit
	Egress Queue-based Rate-limit
	Policy-based QoS
	Storm Control
	IEEE 802.1p 8 active priorities queues for per port
Dot1x	Port Access Control
E-2100	User Access Control
	Mac-address Access Control
	RADIUS Server
P Source Guard	Support dynamic table entries
T Course Caura	Support static table entries
ARP Inspection	Support dynamic table entries
art mopodion	Support static table entries
Port Security	Supported
Access Management	Supported
100030 Management	oupported
Management	
Jser management	Password protection
SNMP	SNMP V1/v2C/V3
RMON	Statistics Group, History Group, Alarm Group, Events Group
CLI	Support
RADIUS client	Support
Neb management	HTTP V1.1, HTTPS
Firmware Upgrade	Reversion Upgrade
Syslog/Debug	Support
IPV4/IPV6	Support
Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
riagilosis	Trace route(ipv6)
Application	πασε τουτε(ήλλο)
NTP	NTP Client
DHCP	DHCP Client
DHCP Snooping	Trust Port
Telnet	Telnet Server
TFTP	TFTP Client
SSH	SSH Server

Order Part Number as Below.

Part Number.

Descriptions

8-port 10/100/1000Mbps PoE to 6-port 100/1000M Base-X SFP Fiber Uplink BC-44168 Layer-2 Switch Management Industrial



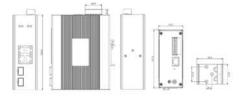
4-ports 10/100/1000Mbps to 2-ports 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial











Overview

Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 4*10/100/1000Base-T port and 2*1.25G/155M SFP fiber port. Full-series design with protection against lightning, anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

Feature and Descriptions

- ERPS (G.8032)
- Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- 4KV surge protection for UTP and fiber ports
 SFP 100/1000Base-X
- IP40 Aluminum metal case protection
- · DIN-rail default, Wall Mount kits optional
- · Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Specification	Descriptions	Specification	Descriptions
Standards	IEEE802.3 10BASE-T: IEEE802.3u 100Base-TX	Security	
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X	ACL	ACL (IP Standard ACL), IPV4/IPV6
	IEEE802.3x Flow control and back pressure;		MAC extend ACL:IP extend ACL
	IEEE802.1Q VLAN		Support matching L2, L3, L4 layer fields
	IEEE802.1w RSTP IEEE802.1s MSTP.		Support log, redirection, mirroring, speed limit
	IEEE802.1d STP	QoS	QoS Class, Remarking
Switching Capacity	12Gbps/non-blocking	400	SP, WRR queue scheduling
MAC Address Table	8K		SP.WRR, SP+WRR
ata Buffer	4M		Ingress Port-based Rate-limit
Maximum Frame Size	9.6K Jumbo Frame		Ingress Priority-based Rate-limit
Copper	4*10/100/1000Base-T, RJ45		Egress Priority-based Rate-limit
opper	ESD protection,		Egress Queue-based Rate-limit
	EFT protection		Policy-based QoS
The second	2*100/1000Base-X.SFP Slot		
iber			Storm Control
Console	RS232 (RJ45)	D.H.	IEEE 802.1p 8 active priorities queues for per port
Key Switch	Reset	Dot1x	Port Access Control
ower	DC:12V~58V, redundant power inputs, 6-PIN Removable Terminal Block		User Access Control
	Overload voltage protection, Overload current protection		Mac-address Access Control
	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV		RADIUS Server
ED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link	IP Source Guard	Support dynamic table entries
Operating Temperature	-40 °C ~ +85 °C		Support static table entries
Relative Humidity	5-95% (no condensation)	ARP Inspection	Support dynamic table entries
lousing	IP40 Protection, Aluminum Alloy, fan-less		Support static table entries
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)	Port Security	Supported
Dimensions	138*107*45mm(device); 215*175*73mm(packing)	Access Management	Supported
Veight	0.52kg(device); 0.65kg(device with packing)		
Regulations	CE/FCC/ROSH	Management	
		User management	Password protection
ayer 2 Feature		SNMP	SNMP V1/v2C/V3
ort Features	IEEE 802.3x flow control, Interface counters, Storm control	RMON	Statistics Group, History Group, Alarm Group, Events Group
	Port isloated	CLI	Support
ink Aggregation	Static aggregation, Dynamic aggregation, LACP	RADIUS client	Support
Mirror	Port-based mirror, Vlan-Based, Flow-Based	Web management	HTTP V1.1. HTTPS
Spanning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP	Firmware Upgrade	Reversion Upgrade
/LAN	Port-based VLAN, access/trunk/hybrid-port,	Syslog/Debug	Support
LITTI	4094 IEEE802.1Q VLAN VID. GVRP	IPV4/IPV6	Support
Mac-address table	IEEE 802.1q, MAC address: 8K	Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
viac-address table	Support MAC address automatic learning and aging	Diagnosis	Trace route(ipv6)
		Application	Trace route(ipv6)
oon Drotootion	Static mac-address, Dynamic mac-address, Security mac-address	Application NTP	NTP Client
oop Protection	Supported		
Private VLAN	Supported	DHCP	DHCP Client
ERPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance	DHCP Snooping	Trust Port
	Recovery Time < 50ms	Telnet	Telnet Server
ayer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check	TFTP	TFTP Client
	IGMP Fast Leave; Filter, Agent	SSH	SSH Server

Order Part Number as Below.

Part Number. Descriptions

BC-44126

4-port 10/100/1000Mbps to 2-port 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



8-ports 10/100/1000Mbps to 2-ports 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



Overview

Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 8*10/100/1000Base-T port and 2*1.25G/155M SFP fiber port. Full-series design with protection against lightning, anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

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 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
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 SFP 100/1000Base-X
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- · DIN-rail default, Wall Mount kits optional
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	IEEE802.1Q VLAN		Support matching L2, L3, L4 layer fields
	IEEE802.1w RSTP IEEE802.1s MSTP.		Support log, redirection, mirroring, speed limit
	IEEE802.1d STP	QoS	QoS Class, Remarking
Switching Capacity	20Gbps/non-blocking	300	SP, WRR queue scheduling
MAC Address Table	8K		SP.WRR, SP+WRR
Data Buffer	4M		Ingress Port-based Rate-limit
Maximum Frame Size	9.6K Jumbo Frame		Ingress Priority-based Rate-limit
Copper	8*10/100/1000Base-T, RJ45		Egress Port-based Rate-limit
Johnei	ESD protection,		Egress Queue-based Rate-limit
	EFT protection		Policy-based QoS
Fiber	2*100/1000Base-X.SFP Slot		Storm Control
	Description of the second seco		
Console	RS232 (RJ45)	D. H	IEEE 802.1p 8 active priorities queues for per port
Key Switch	Reset	Dot1x	Port Access Control
Power	DC:12V~58V, redundant power inputs, 6-PIN Removable Terminal Block		User Access Control
	Overload voltage protection, Overload current protection		Mac-address Access Control
	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV		RADIUS Server
_ED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link	IP Source Guard	Support dynamic table entries
Operating Temperature	-40 °C ~ +85 °C		Support static table entries
Relative Humidity	5-95% (no condensation)	ARP Inspection	Support dynamic table entries
Housing	IP40 Protection, Aluminum Alloy, fan-less		Support static table entries
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)	Port Security	Supported
Dimensions	138*107*45mm(device); 215*175*73mm(packing)	Access Management	Supported
Weight	0.54kg(device); 0.67kg(device with packing)		
Regulations	CE/FCC/ROSH	Management	
		User management	Password protection
Layer 2 Feature		SNMP	SNMP V1/v2C/V3
Port Features	IEEE 802.3x flow control, Interface counters, Storm control	RMON	Statistics Group, History Group, Alarm Group, Events Group
	Port isloated	CLI	Support
Link Aggregation	Static aggregation, Dynamic aggregation, LACP	RADIUS client	Support
Mirror	Port-based mirror, Vlan-Based, Flow-Based	Web management	HTTP V1.1. HTTPS
Spanning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP	Firmware Upgrade	Reversion Upgrade
VLAN	Port-based VLAN, access/trunk/hybrid-port,	Syslog/Debug	Support
VLAIN	4094 IEEE802.1Q VLAN VID. GVRP	IPV4/IPV6	Support
Mac-address table	IEEE 802.1q, MAC address: 8K	Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
wac-address table	Support MAC address automatic learning and aging	Diagnosis	Trace route(ipv6)
		Application	rrace route(ipvo)
oon Drotootion	Static mac-address, Dynamic mac-address, Security mac-address	Application NTP	NTD Client
Loop Protection	Supported		NTP Client
Private VLAN	Supported	DHCP	DHCP Client
ERPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance	DHCP Snooping	Trust Port
	Recovery Time < 50ms	Telnet	Telnet Server
Layer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check	TFTP	TFTP Client
	IGMP Fast Leave; Filter, Agent	SSH	SSH Server

Order Part Number as Below.

Part Number. Descriptions

BC-44128

8-port 10/100/1000Mbps to 2-port 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial





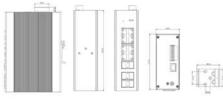
8-ports 10/100/1000Mbps to 6-ports 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial











Overview

Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 8*10/100/1000Base-T port and 6*1.25G/155M SFP fiber port. Full-series design with protection against lightning, anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

Feature and Descriptions

- ERPS (G.8032)
- Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
- 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- 4KV surge protection for UTP and fiber ports
- SFP 100/1000Base-X
- IP40 Aluminum metal case protection
- · DIN-rail default, Wall Mount kits optional
- · Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Specification	Descriptions	Specification	Descriptions
Standards	IEEE802.3 10BASE-T; IEEE802.3u 100Base-TX	Security	
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X	ACL	ACL (IP Standard ACL), IPV4/IPV6
	IEEE802.3x Flow control and back pressure;		MAC extend ACL:IP extend ACL
	IEEE802.1Q VLAN		Support matching L2, L3, L4 layer fields
	IEEE802.1w RSTP IEEE802.1s MSTP,		Support log, redirection, mirroring, speed limit
	IEEE802.1d STP	QoS	QoS Class, Remarking
Switching Capacity	28Gbps/non-blocking	QUU	SP, WRR queue scheduling
MAC Address Table	8K		SP.WRR, SP+WRR
Data Buffer	4M		Ingress Port-based Rate-limit
Maximum Frame Size	9.6K Jumbo Frame		Ingress Priority-based Rate-limit
	8*10/100/1000Base-T, RJ45		
Copper			Egress Port-based Rate-limit
	ESD protection,		Egress Queue-based Rate-limit
iber	EFT protection		Policy-based QoS
	6*100/1000Base-X,SFP Slot		Storm Control
Console	RS232 (RJ45)		IEEE 802.1p 8 active priorities queues for per port
(ey Switch	Reset	Dot1x	Port Access Control
ower	DC:12V~58V, redundant power inputs, 6-PIN Removable Terminal Block		User Access Control
	Overload voltage protection, Overload current protection		Mac-address Access Control
	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV		RADIUS Server
ED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link	IP Source Guard	Support dynamic table entries
Operating Temperature	-40 °C ~ +85 °C		Support static table entries
Relative Humidity	5-95% (no condensation)	ARP Inspection	Support dynamic table entries
Housing	IP40 Protection, Aluminum Alloy, fan-less		Support static table entries
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)	Port Security	Supported
Dimensions	169*117*50mm(device); 235*170*95mm(packing)	Access Management	Supported
Veight	0.75kg(device); 0.93kg(device with packing)	Access management	Capportou
Regulations	CE/FCC/ROSH	Management	
regulations	OL/F CO/ROOM	User management	Password protection
ayer 2 Feature		SNMP	
Port Features	IFFE 000 2. How control Interfere countries Champanger		SNMP V1/v2C/v3
ort Features	IEEE 802.3x flow control, Interface counters, Storm control	RMON	Statistics Group, History Group, Alarm Group, Events Group
11.4	Port isloated	CLI	Support
ink Aggregation	Static aggregation, Dynamic aggregation, LACP	RADIUS client	Support
Mirror	Port-based mirror, Vlan-Based, Flow-Based	Web management	HTTP V1.1, HTTPS
Spanning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP	Firmware Upgrade	Reversion Upgrade
/LAN	Port-based VLAN, access/trunk/hybrid-port,	Syslog/Debug	Support
	4094 IEEE802.1Q VLAN VID, GVRP	IPV4/IPV6	Support
Aac-address table	IEEE 802.1q, MAC address: 8K	Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
	Support MAC address automatic learning and aging		Trace route(ipv6)
	Static mac-address, Dynamic mac-address, Security mac-address	Application	10.000-00.000
.oop Protection	Supported	NTP	NTP Client
Private VLAN	Supported	DHCP	DHCP Client
ERPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance	DHCP Snooping	Trust Port
-111 0 (0.0002)	Recovery Time < 50ms	Telnet	Telnet Server
Layer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check	TFTP	TFTP Client
Layor Z Willingst	IGMP Fast Leave; Filter, Agent	SSH	SSH Server
	TIGIVIF FASI LEGAVE, FIILEI, MYETIL	0011	OOT OBIVE

Order Part Number as Below.

Part Number.

BC-44268

Descriptions

8-port 10/100/1000Mbps to 6-port 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial





BC-44412

12-ports 10/100/1000Mbps to 4-ports 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



Overview

Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 12*10/100/1000Base-T port and 4*1.25G/155M SFP fiber port. Full-series design with protection against lightning, anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

Feature and Descriptions

- ERPS (G.8032)
- Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- 4KV surge protection for UTP and fiber ports
 SFP 100/1000Base-X
- IP40 Aluminum metal case protection
- DIN-rail default, Wall Mount kits optional
- · Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Specification	Descriptions	Specification	Descriptions
Standards	IEEE802.3 10BASE-T; IEEE802.3u 100Base-TX	Security	
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X	ACL	ACL (IP Standard ACL), IPV4/IPV6
	IEEE802.3x Flow control and back pressure;		MAC extend ACL;IP extend ACL
	IEEE802.1Q VLAN		Support matching L2, L3, L4 layer fields
	IEEE802.1w RSTP IEEE802.1s MSTP.		Support log, redirection, mirroring, speed limit
	IEEE802.1d STP	QoS	QoS Class, Remarking
Switching Capacity	32Gbps/non-blocking	77.7	SP. WRR queue scheduling
MAC Address Table	8K		SP.WRR. SP+WRR
Data Buffer	4M		Ingress Port-based Rate-limit
Maximum Frame Size	9.6K Jumbo Frame		Ingress Priority-based Rate-limit
Copper	12*10/100/1000Base-T, RJ45		Egress Port-based Rate-limit
	ESD protection,		Egress Queue-based Rate-limit
Fiber	EFT protection		Policy-based QoS
1001	4*100/1000Base-X.SFP Slot		Storm Control
Console	RS232 (RJ45)		IEEE 802.1p 8 active priorities queues for per port
Key Switch	Reset	Dot1x	Port Access Control
Power	DC:12V~58V, redundant power inputs, 6-PIN Removable Terminal Block	DOLLY	User Access Control
OWGI	Overload voltage protection, Overload current protection		Mac-address Access Control
	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV		RADIUS Server
LED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link	IP Source Guard	Support dynamic table entries
Operating Temperature	-40 °C ~ +85 °C	ir Source Guaru	Support dynamic table entries Support static table entries
Relative Humidity	5-95% (no condensation)	ARP Inspection	Support static table entries Support dynamic table entries
Housing	IP40 Protection, Aluminum Alloy, fan-less	ARE Inspection	Support static table entries
		Dort Consults	
Mounting Dimensions	DIN-rail 35-7.5, wall mounting (with optional kit) 169*117*50mm(device); 235*170*95mm(packing)	Port Security	Supported
A DESCRIPTION OF THE PROPERTY		Access Management	Supported
Weight	1.10kg(device); 1.15(device with packing)		
Regulations	CE/FCC/ROSH	Management	D
Δ Γ		User management	Password protection
Layer 2 Feature		SNMP	SNMP V1/v2C/V3
Port Features	IEEE 802.3x flow control, Interface counters, Storm control	RMON	Statistics Group, History Group, Alarm Group, Events Group
	Port isloated	CLI	Support
Link Aggregation	Static aggregation, Dynamic aggregation, LACP	RADIUS client	Support
Mirror	Port-based mirror, Vlan-Based, Flow-Based	Web management	HTTP V1.1, HTTPS
Spanning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP	Firmware Upgrade	Reversion Upgrade
VLAN	Port-based VLAN, access/trunk/hybrid-port,	Syslog/Debug	Support
	4094 IEEE802.1Q VLAN VID, GVRP	IPV4/IPV6	Support
Mac-address table	IEEE 802.1q, MAC address: 8K	Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
	Support MAC address automatic learning and aging		Trace route(ipv6)
	Static mac-address, Dynamic mac-address, Security mac-address	Application	
Loop Protection	Supported	NTP	NTP Client
Private VLAN	Supported	DHCP	DHCP Client
ERPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance	DHCP Snooping	Trust Port
and the second of the	Recovery Time < 50ms	Telnet	Telnet Server
Layer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check	TFTP	TFTP Client
	IGMP Fast Leave; Filter, Agent	SSH	SSH Server

Order Part Number as Below.

Part Number. Descriptions

BC-44412

12-port 10/100/1000Mbps to 4-port 10/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



12-ports 10/100/1000Mbps to 12-ports 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial



Overview

Industrial Managed Switch are fully managed L2 switches, adopt store-forward architecture, fan-less and energy-saving design, with 12*10/100/1000Base-T port and 12*1.25G/155M SFP fiber port. Full-series design with protection against lightning, anti-static and operate in -40°C~85°C for harsh environments; such as industrial automation, public security, power system, intelligent transportation systems (ITS), shipping, mining ,water conservancy and oil fields.

Feature and Descriptions

- ERPS (G.8032)
- Loop Protection
- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)
- Provide power polarity reverse, Overload current protect function
- 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- 4KV surge protection for UTP and fiber ports
 SFP 100/1000Base-X
- IP40 Aluminum metal case protection
- · DIN-rail default, Wall Mount kits optional
- · Supports EFT protection 6000VDC for power line
- Supports 8~15KV ESD protection
- -40°C~85°C operating temperature
- Low power consumption

Specification	Descriptions	Specification	Descriptions
Standards	IEEE802.3 10BASE-T: IEEE802.3u 100Base-TX	Security	
	IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X	ACL	ACL (IP Standard ACL), IPV4/IPV6
	IEEE802.3x Flow control and back pressure;		MAC extend ACL:IP extend ACL
	IEEE802.1Q VLAN		Support matching L2, L3, L4 layer fields
	IEEE802.1w RSTP IEEE802.1s MSTP.		Support log, redirection, mirroring, speed limit
	IEEE802.1d STP	QoS	QoS Class, Remarking
Switching Capacity	48Gbps/non-blocking	400	SP, WRR queue scheduling
MAC Address Table	8K		SP.WRR, SP+WRR
Data Buffer	4M		Ingress Port-based Rate-limit
Maximum Frame Size	9.6K Jumbo Frame		Ingress Priority-based Rate-limit
Copper	12*10/100/1000Base-T, RJ45		Egress Port-based Rate-limit
Johhei	ESD protection,		Egress Queue-based Rate-limit
Fiber	EFT protection		Policy-based QoS
Inel	12*100/1000Base-X.SFP Slot		Storm Control
Console	RS232 (RJ45)		IEEE 802.1p 8 active priorities queues for per port
		Dot1x	Port Access Control
Key Switch	Reset	DOUX	
Power	DC:12V~58V, redundant power inputs, 6-PIN Removable Terminal Block		User Access Control
	Overload voltage protection, Overload current protection		Mac-address Access Control
FB F	Reverse Polarity protection, Lightning protection:6KV, ESD: 8~15KV	ID 0 0 1	RADIUS Server
ED Indicators	PWR, RUN, Link/Act, Speed, Fiber Link	IP Source Guard	Support dynamic table entries
Operating Temperature	-40 °C ~ +85 °C		Support static table entries
Relative Humidity	5-95% (no condensation)	ARP Inspection	Support dynamic table entries
Housing	IP40 Protection, Aluminum Alloy, fan-less		Support static table entries
Mounting	DIN-rail 35-7.5, wall mounting (with optional kit)	Port Security	Supported
Dimensions	169*117*50mm(device); 235*170*95mm(packing)	Access Management	Supported
Weight	1.10kg(device); 1.15(device with packing)		
Regulations	CE/FCC/ROSH	Management	
		User management	Password protection
ayer 2 Feature		SNMP	SNMP V1/v2C/V3
Port Features	IEEE 802.3x flow control, Interface counters, Storm control	RMON	Statistics Group, History Group, Alarm Group, Events Group
	Port isloated	CLI	Support
ink Aggregation	Static aggregation, Dynamic aggregation, LACP	RADIUS client	Support
Mirror	Port-based mirror, Vlan-Based, Flow-Based	Web management	HTTP V1.1, HTTPS
Spanning Tree	IEEE802.1d STP, IEEE802.1w RSTP, IEEE802.1s MSTP	Firmware Upgrade	Reversion Upgrade
VLAN	Port-based VLAN, access/trunk/hybrid-port,	Syslog/Debug	Support
	4094 IEEE802.1Q VLAN VID, GVRP	IPV4/IPV6	Support
Mac-address table	IEEE 802.1q, MAC address: 8K	Diagnosis	ping(ipv4), ping(ipv6), Trace route(ipv4)
	Support MAC address automatic learning and aging		Trace route(ipv6)
	Static mac-address, Dynamic mac-address, Security mac-address	Application	THE TRANSPORT OF THE PROPERTY
oop Protection	Supported	NTP	NTP Client
Private VLAN	Supported	DHCP	DHCP Client
ERPS (G.8032)	Single ring, Sub-Ring, Multi-ring, Load balance	DHCP Snooping	Trust Port
	Recovery Time < 50ms	Telnet	Telnet Server
Layer 2 Multicast	IGMP Snooping V1/V2/V3, Source Port Check	TFTP	TFTP Client
Lajo, L muniouot	IGMP Fast Leave; Filter, Agent	SSH	SSH Server

Order Part Number as Below.

Part Number. Descriptions

12-port 10/100/1000Mbps to BC-441212

12-port 100/1000M Base-X SFP Fiber Uplink Layer-2 Switch Management Industrial





Industrial Power Supply.







Features: BC-75-48

- Universal AC input/Full range
- * Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- LED indicator for power on
- * 100% full load burn-in test
- Fix switching frequency at 50KHz

Features: BC-120-48

- AC input range selectable by switch
- Protections: Short circuit/Over load/Over voltage/Over temperature
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- UL 508(industrial control equipment)approved
- * LED indicator for power on
- 100% full load burn-in test
- Fixed switching frequency at 55KHz

	MODEL	BC-75-48	BC-120-48
	DC VOLTAGE	48V	48V
	RATED CURRENT	1.6A	2.5A
	CURRENT RANGE	0~1.6A	0 ~ 2.5A
	RATED POWER	76.8W	120W
OUTPUT	RIPPLE & NO ISE (max.) Note.2	240mVp-p	100mVp-p
001101	VOLTAGE ADJ. RANGE	48 ~ 53V	48 ~ 53V
	VOLTAGE TO LERANCE Note.3	±1.0%	± 1.0%
	LINE REGULATION	± 0.5%	± 0.5%
	LOAD REGULATION	± 1.0%	± 1.0%
	SETUP, RISE TIME	1000ms, 60ms/230VAC 1800ms, 60ms/115VAC at full load	500ms, 70ms/230VAC 500ms, 70ms/115VAC at full load
	HOLD TIME(Typ.)	60ms/230VAC ,12ms/115VAC at full load	36ms/230VAC 32ms/115VAC at full load
	VOLTAGE RANGE	85 ~ 264VAC ,120 ~ 370VDC	88 ~ 132VAC/176 ~ 264VAC by switch 248 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz
INPUT	E FFICIENCY (Typ.)	81%	85%
ii vi	AC CURRENT	1.6A/115VAC 0.96A/230VAC	2.6A/115VAC 1.6A/230VAC
	INRUSH CURRENT(max.)	COLD START 20A/115VAC 40A/230VAC	COLD START 20A/115VAC 40A/230VAC
	LEAKAGE CURRENT	<1mA/240VAC	<3.5mA/240VAC
	OVERLOAD	-105 ~ 150% rated output power	-105 ~ 150% rated output power
	O'LILO/ID	Protection type : Constant current limiting, recovers	Protection type : Constant current limiting, recovers
		automat ically af ter fault condition is removed	automat ically af ter fault condition is removed
	OVER VOLTAGE	58 ~ 65V Protection type : Hiccup mode, recovers	58 ~ 65V Protection type : Shut down o/p voltage,
PROTECTION	OVER VOLINGE	automatically after fault condition is removed	re-power on to recover
	OVER TEMPERATURE	85°C±5°C (TSW1) Detect on heat sink of power transistor	90°C±5°C (TSW1)Protection type : Shut down o/p voltage, recover
	OVER TEIVIFERATORE	Protection type : Shut down o/p voltage, recovers	automatically after temperature goes down
		automatically after temperature goes down	automatically after temperature goes down
	WORKING TEMP.	-10 ~ +60°C (Refer to output load derating curve)	-10 ~ +60°C (Refer to output load derating curve)
	WORKING HUMIDITY	20 ~ 90% RH non-condensing	20 ~ 90% RH non-condensing
		-20 ~ +85°C , 10 ~ 95% RH	-20 ~ +85°C , 10 ~ 95% RH
ENVIRONME NT	STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT	[H. 지생기의] [H. 그리지의 해생하는 지. 기업에서 보고 있다.	- UNITED AND TO THE PROPERTY OF THE STATE OF
	AGONG GATE CONTRACTOR	±0.03%/°C (0 ~ 50°C)	±0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
	S AFETY STANDARDS	Design refer to UL508,TUV EN60950-1	Design refer to UL508, UL60950-1, TUV EN60950-1
	WITHSTAND VOLTAGE	I/P - O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	I/P - O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
SAFETY & E MC	ISOLATION RESISTANCE	I/P -O/P, I /P-FG, O/P-FG:100M Ohms/500VDC	I/P -O/P, I /P-FG, O/P-FG:100M Ohms/500VDC
(Note 4)	EMI CONDUCTION & RADI ATION	4 - M. T. H. I. H. H. H. H. T. T. T. H.	Compliance to EN55011,EN55022 (CI SPR22) Class B
	HARMONIC CURRENT	Compliance to EN61000-3-2,-3	Compliance to EN61000-3-2,-3
	EMS IMMUNITY	Compliance to EN61000-4-2,3, 4,5,6,8,11, ENV50204,	Compliance to EN61000-4-2,3, 4,5,6,8,11, ENV50204, EN55024,
		EN55024, E N61000-6-2 (EN50082-2) Heavy industry level, criteria A	EN61000-6-2 (EN50082-2) Heavy industry level, criteria A
NO. CONTRACTOR OF STREET	MTBF	123.1K hrs min. MIL-HDBK-217F (25°C)	136.8K hrs min. MIL-HDBK-217F (25°C)
OTHERS	DIMENS ION	55.5*125.2*100mm (L*W*H)	65.5*125.2*100mm (L*W*H)
	PACKING	0.6Kg; 20pcs/13Kg/1.1CUFT	0.79Kg; 20pcs/16.5Kg/1.1CUFT

Order Part Number as Below.

Part Number. Descriptions

BC-75-48 Input 85-264VAC to 48VDC, 1.6A Industrial DIN-Rail Power Supply BC-120-48 Input 176-264VAC to 48VDC, 2.5A Industrial DIN-Rail Power Supply



Industrial Power Supply Waterproof IP67

Model: BC-60-48





Features

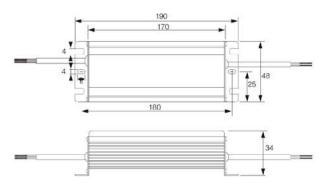
Small volume, high efficiency Protections short circuit, overload Cooling by free air convection IP67 design for indoor or outdoor installation 100% 100% full load burn-in test

INPUT AC		
Voltage range	200-240 VAC	
Frequency range	47-63Hz	
AC current	0.8A/230VAC	
Inrush current	Cold start 30/230V	
Leakage current	<3.5m/240VAC	
OUTPUT DC		
DC Voltage	48VDC	
Rate Current	1.25A(60W)	
Current Range	0-1.25A	
Ripple& Noise	100mVp-p	

DC Voltage	48VDC
Rate Current	1.25A(60W)
Current Range	0-1.25A
Ripple& Noise	100mVp-p
Voltage Toletange	+/- 1.5%
Efficiency	84%

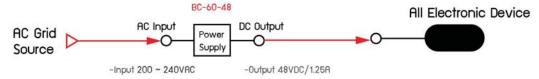
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OTHERS		
Over load	105%-150% rated output power	
	Protection type: Constant current limiting, recovers automatically after fault condition is removed	
Working storage temperature, Humidity	-10 - +60°C / -20 - +85°C , 20-90% RH(non-condensing)	
Temperature coefficient	+/-0.03% °C (0-45°C)	
Vibration	10-500Hz, 2G 10min/cycle,X, Y, Z each along 60min	
Withstand voltage	I/P-O/P1.5KVAC I/P-FG1.5KVAC O/P-FG.0.5KVAC	
Isolation Resistance	I/P-0/P,I/P-FG,O/P-FG: 100M Ohms/500VDC/25°C/70%RH	
Safety standards	Compliance to UL60950-1	
EMC standards	Compliance to EN55022 Class B,EN61000-6-1	
Diemension	190x48x34mm(L.xWxH)	
Packing	0.53kg, 28pcs/15kg	



Application Diagrams:

Industrial Power Supply



Order Part Number as Below.

Part Number.

Descriptions Input 200-240VAC to 48VDC, 1.25A(60W) Industrial DIN-Rail Power Supply, IP67 สามารถกันน้ำและกันฝุ่นใต้ BC-60-48

Fiber Media Converter Ethernet(ตัวแปลาสัญญาณไฟฟ้าเป็นแสา)

100 Mbps



1-Port 100M UTP/RJ45 to 1-Port 100M Duplex-F0/SC, 1310nm 2Km



1-Port 100M UTP/RJ45 to 1-Port 100M Duplex-F0/SC 1310nm 20Km to



1-Port 100M UTP/RJ45 to 1-Port 100M Duplex-F0/SC 1310nm 20Km to



1-Port 100M UTP/RJ45 to 1-Port 100M Single-F0/SC, Bidi 1550/1310nm 20Km to

CTS-RC0202-A-SCB 1-Port 100M UTP/RJ45 to 1-Port 100M Single-F0/SC, Bidi 1310/1550nm 20Km to

100 Mbps LFP function



1-Port 100M UTP/RJ45 to 1-Port 100M Duplex-F0/SC 1310nm 20Km.LFP function



1-Port 100M UTP/RJ45 to 1-Port 100M Duplex-F0/SC 1310nm 40Km.LFP function



1-Port 100M UTP/RJ45 to 1-Port 100M Duplex-F0/SC, 1310nm 40Km.LFP function.12VDC



CTS-SC0120T-LFP

1-Port 100M Single-F0/SC, Bidi 1310/1550nm 20Km to 1-Port 100M UTP,LFP function CTS-SC0120R-LFP 1-Port 100M Single-F0/SC, Bidi 1550/1310nm 20Km to

1-Port 100M UTP,LFP function

1000 Mbps



CSM-LC0202-AGB 1-Port 1000M UTP/RJ45 to 1-Port 1000M F0/SFP moudle Up to 120Km.



1-Port 1000M UTP/RJ45 to 1-Port 1000M Duplex-F0/SC 850nm 0.5Km



1-Port 1000M UTP/RJ45 to 1-Port 1000M Duplex-F0/SC 1310nm 20Km



CTG-SC0202-T 1-Port 1000M Single-F0/SC, Bidi 1310/1550nm 20Km to 1-Port 1000M UTP CTG-SC0202-R 1-Port 1000M Single-F0/SC, Bidi 1550/1310nm 20Km to 1-Port 1000M UTP

1000 Mbps LFP function



1-Port 1000M UTP/RJ45 to 1-Port 1000M F0/SFP moudle Up to 120Km., LFP function





1-Port 1000M UTP/RJ45 to 14 Slot Chassis for Media 19*
1-Port 1000M Duplex-F0/SC 2U,with Redundant Power Supply 1310nm 20Km, LFP function Support 100M/1000M series



1-Port 10G SFP moudle to 1-Port 10G/5G/2.5G/1G/100M UTP

PoE Series

100Mbps / 1000Mbps(F0/SFP slot)



1000Mbps UTP/RJ45



Power: 24W/65W

Part Number. BC-210024

BC-210065

Descriptions

1-Port 100/1000Base-X (SFP slot) to 1-Port 10/100/1000Base-T(R)45) with PoE, PSE, Ext. AC-DC48V0.5A., 24W

1-Port 100/1000Base-X (SFP slot) to 1-Port 10/100/1000Base-T(RJ45) with PoE, PSE, Ext. AC-DC52V1.25A , 65W

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Fiber Optic Cable



PoE, IP CAM. PTZ Speed Dome



Power: 24W/65W POE