

**B&B ELECTRONICS**

10/100Base-T Multi-Port Switch Module

iMcV-Switch

PRODUCT FEATURES

- Multi-port 10/100Base-T
- Available in multi-mode, single-mode, single-strand fiber and SFPs
- Supports up to 1000 MAC address learning
- Transparent to VLAN tags
- Grants priority for all frames with PRI>4 or DSCP>32
- Supports Auto Cross and Auto Negotiation on all copper ports
- Supports Flow Control
- Features Collision Detection

The iMcV-Switch is a multi-port, 10/100 Ethernet module that allows the user to increase port density and the service area of Ethernet networks. The store and forward switch function allows the end user to extend Ethernet service to locations for a total of 100 meters from the Ethernet source. All RJ-45 ports Auto Negotiate 10/100Base-T, half/full duplex, and automatically configure for MDI or MDIX operation. Each port allows a maximum frame size of up to 1916 bytes and supports Flow Control and priority queuing.

The iMcV-Switch is available in four different models, some offering a configuration of copper and fiber ports, copper and fiber SFP ports and an all copper port version.

*iView: Windows 2000/XP/Vista/Win7*

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
iMcV-Switch *					
852-14440			100 m	5	RJ45
852-14441	SFP	1	Various	4	RJ45
852-14442	SFP	2	Various	3	RJ45
852-14443	MM850-ST	1	2 km	3	RJ45
852-14444	MM850-SC	1	2 km	3	RJ45
852-14445	MM1300-ST	1	5 km	3	RJ45
852-14446	MM1300-SC	1	5 km	3	RJ45
852-14449	SM1310/PLUS-ST	1	40 km	3	RJ45
852-14450	SM1310/PLUS-SC	1	40 km	3	RJ45
852-14451	SM1310/LONG-ST	1	80 km	3	RJ45
852-14452	SM1310/LONG-SC	1	80 km	3	RJ45
852-14453	SM1550/LONG-SC	1	80 km	3	RJ45
852-14454	SM1550/XLONG-SC	1	100 km	3	RJ45
SINGLE STRAND FIBER **					
852-14470	SSFX-SM1310-SC (1310xmt/1550rcv)	1	20 km	3	RJ45
852-14471	SSFX-SM1550-SC (1550xmt/1310rcv)	1	20 km	3	RJ45
852-14472	SSFX-SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	3	RJ45
852-14473	SSFX-SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	3	RJ45
852-14474	SSFX-SM1310/LONG-SC (1310xmt/1550rcv)	1	60 km	3	RJ45
852-14475	SSFX-SM1550/LONG-SC (1550xmt/1310rcv)	1	60 km	3	RJ45

* SFPs Sold Separately

* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

10/100Base-T Multi-Port Switch Module

iMcV-Switch



SPECIFICATIONS

TECHNICAL

IEEE 802.3x 10/100Base-T
IEEE 802.3u Auto Negotiation
RFC-2474 and RFC-2475 DiffServ/ToS
Includes diagnostic LEDs
AutoCross and Auto Negotiation on all ports
Maximum 1916 byte packet size
Supports Half and Full-Duplex operation
Connectors: RJ-45 and SC, ST, LC or SFP
Installs in any iMediaChassis, MediaChassis or IE-MediaChassis
Supports GUI-Based iView²
Supports Half- and Full-Duplex operation
Includes diagnostic LEDs
Includes hot-swappable architecture

MECHANICAL

Dimensions 4.19"H x 0.78"W x 2.75"D
(10.74 x 2 x 7.05 cm)
Shipping Weight 0.30 lbs (.11 kg)

ENVIRONMENTAL

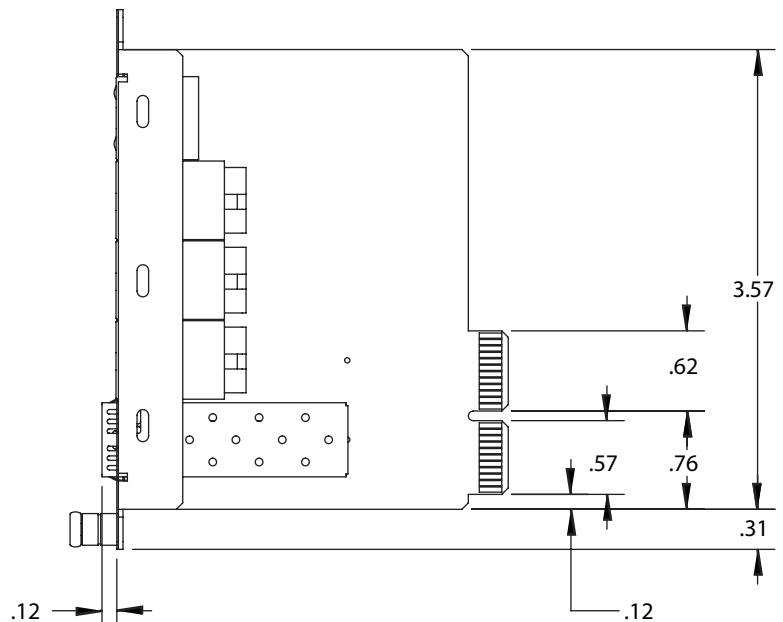
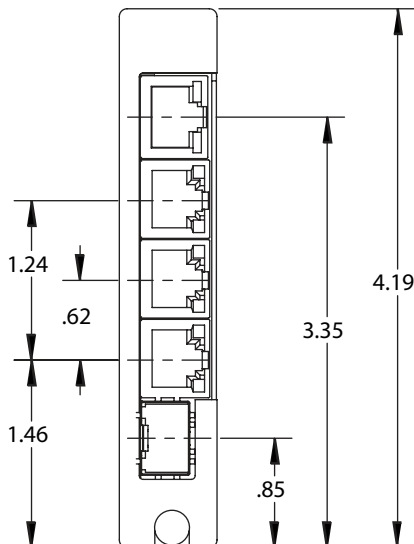
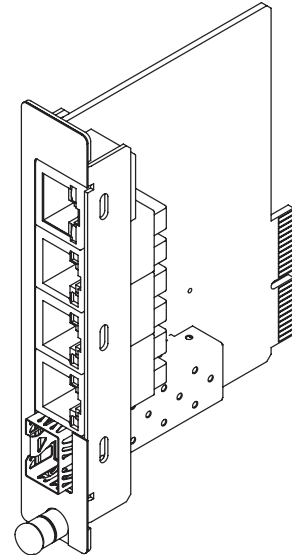
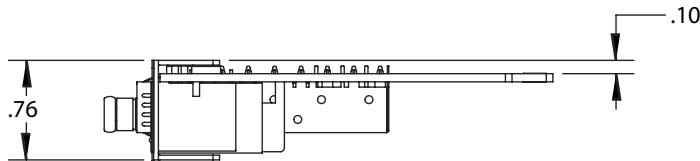
Operating Temperature: +32° to +122° F (0° to +50° C)
Storage Temperature: -4° to +158° F (-20° to +70° C)
Operating Humidity 5% to 95% (non-condensing),
0 – 10,000 ft. altitude

REGULATORY APPROVALS

FCC Class B
UL/cUL
CE

MECHANICAL DIAGRAM

(dimensions in inches)



Mouser Electronics

Authorized Distributor

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