



SMART COMMUNICATION

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# BSB118 Industrial Unmanaged Ethernet Switch

with 8 × 10/100Base-T (x) Ports



# Main Features

- Supports 8 × 10 / 100 Base – T (X) ports
- 5–60 V DC wide range power input
- Supports Full / Half-Duplex, auto MDI / MDI-X on each port
- Wide operating temperature range from -40 to 85°C
- Rugged Metal IP-40 housing design
- DIN-Rail mounting

# Technical Specifications

## Technology

Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-T(X) IEEE 802.3x Flow Control
Mac Table	1K MAC address entry
Processing	Store-and-Forward
Memory	448K bits packet buffer memory
Auto Power Saving Mode	Automatically enters this mode if no cable link is established

**BSB Series Industrial Unmanaged Ethernet Switches are designed for industrial-grade Ethernet, and particularly for facilities of rugged industry and infrastructure.**

BSB Series Industrial Unmanaged Ethernet Switches are tailored to perform various features such as wide temperature, wide range power input range... etc. Thus, BSB Series Industrial Unmanaged Ethernet Switches are the best choice for facility management, sewage treatment, power utility, telecommunication, transportation and all other applications that require reliable Ethernet connectivity.



## Interface & Indicators

Power indicator	Power LED
Reset Button	Hard reset of the device
10/100TX RJ45	Activity LEDs

## Physical & Environmental Characteristics

Enclosure	Metal, IP 40
Dimensions	43 × 95 × 124 (w × d × h) mm
Weight	382 gr
Storage Temperature	– 65 to 150 °C
Operating Temperature	– 40 to 85 °C
Operating Humidity	5% to 95% Non-condensing

## Applied Standards

EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950
Warranty	3 years

## Power

Input Range	5-60V DC input
Reverse Polarity Protection	Available
Thermal Shutdown and Current Limit Protection	Available



# Ordering Information

**BSB118**  
**Industrial Unmanaged Ethernet Switch,**  
**8 × 10/100 T(x) ETH ports,**  
**5-60V DC Power Input**

**Product Selection**

Model	5 – 60V DC Power input	90 – 265V AC (100 – 370V DC), 47Hz to 63Hz AC Power Input	3 Phase AC Power input, 110 V – 240 V / 50 – 60 Hz AC Power Input	8 × 10/100 T(x) ETH ports	7 × 10/100 T(x) ETH ports	5 × 10/100 T(x) ETH ports	4 × 10/100 T(x) ETH ports	1 × 10/100 T(x) ETH ports	BPL (Broadband Power Line) Link
BSB115	●					●			
BSB118	●			●					
BSB215		●				●			
BSB218		●		●					
BSB612			●					●	●
BSB615			●				●		●
BSB618			●		●				●