REDL
SMART COMMUNICATION

redz-sc.com   hi@redz-sc.com

BSB120 Industrial Unmanaged Ethernet Switch

with 8 x 10/100Base-T(x) Ports
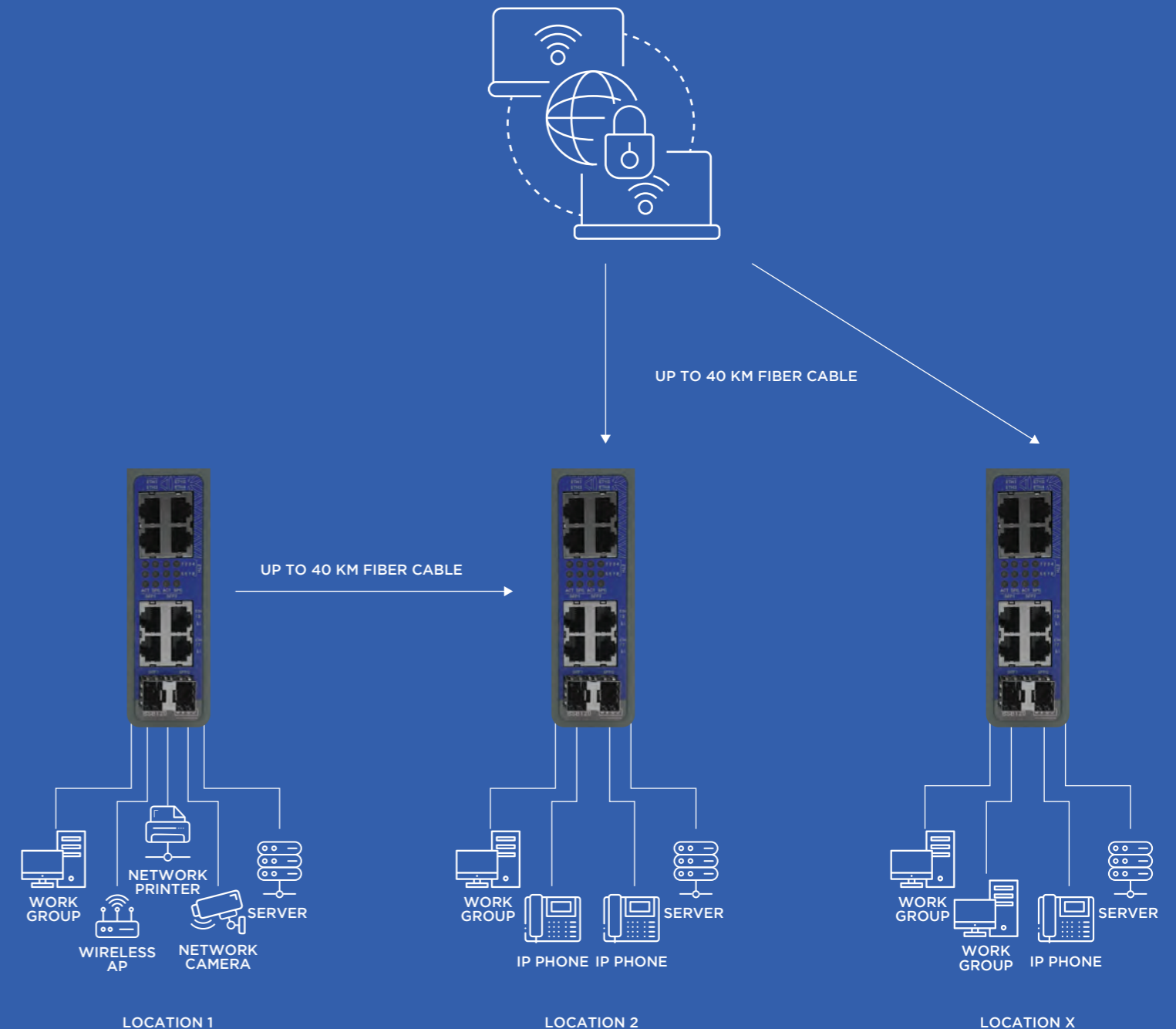and 2 x SFP Uplink Ports

Main Features

- Supports 8 x 10/100Base-T(X) ports

- Supports 2 x 10/100/1000 SFP Ports

- Plug-and-play without additional settings

- 5-48V (max. 60V) DC wide range power input

- Supports Full/Half-Duplex, auto-negotiation, auto MDI/MDIX and auto polarity correction on each port

- Wide operating temperature range from -40 to 85 °C

- Rugged Metal IP-40 housing design

- DIN-Rail mounting

CONNECTION WITH
BSB SERIES SWITCH WITH SFP PORTS

BETWEEN EACH OTHER OR
BETWEEN DIFFERENT NETWORKS

UP TO 40 KM FIBER CABLE

UP TO 40 KM FIBER CABLE

WORK GROUP
NETWORK PRINTER
SERVER
WIRELESS AP
NETWORK CAMERA

WORK GROUP
SERVER
IP PHONE   IP PHONE

WORK GROUP
SERVER
WORK GROUP
IP PHONE

LOCATION 1   LOCATION 2   LOCATION X

Description

BSB Series Industrial Unmanaged Ethernet Switches with Fiber ports 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 and Fiber connectivity.
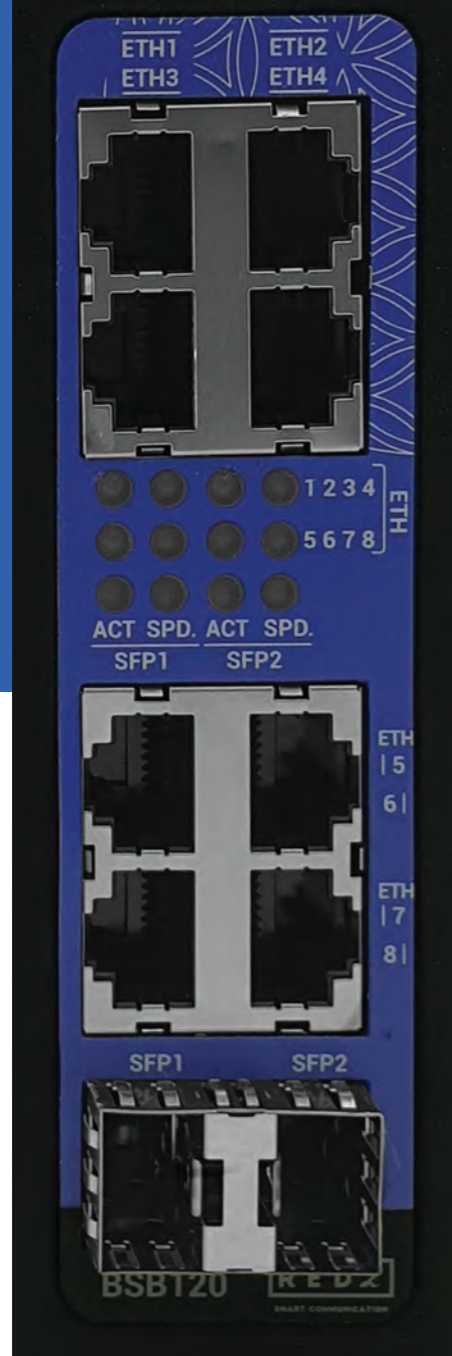
Technical Specifications

TECHNOLOGY

Mac Table	16K MAC address entry CRC/Direct hashing algorithm
Jumbo Frame @ 1Gbps	16K Bytes (default disabled) Max. length 1664B without supporting jumbo packet
Processing	Store & Forward, Share Memory Non-Blocking Architecture
Memory	Built-in 4Mb SRAM for packet buffer
Flow Control	802.3x compliant flow control in full duplex Collision/ Carrier_ sense based backpressure in half duplex
IGMP/MLD Snooping	IGMP Version 1, 2, 3 / MLD Version 1, 2 (default disabled) MLD snooping. (4 sets IP address per MLD list)
Hardware Auto loop detection	Available
IPv6 function	TCP/UDP port number and FLAG Finding out next header is based on ICMPv6, authentication, encapsulation, fragment or user-defined header
Auto Power Saving Mode	Automatically enters this mode if no cable link is established.

INTERFACE AND INDICATORS

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

POWER

Input Range	5-48 (max. 60V) DC input
Reverse Polarity Protection	Available
Thermal Shutdown and Current Limit Protection	Available

PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

Enclosure	Metal, IP 40
Dimensions	43 x 95 x 124 (w x d x h) mm
Weight	~380gr
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

Ordering Information

BSB120
Industrial Unmanaged Ethernet Switch,
8 x 10/100 T(x) ETH ports and 2 x SFP Uplink Ports,
5- 48 (max. 60V) DC Power Input

Product Comparison

Model	5–48V (max. 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	2 x SFP Uplink Ports
BSB115	●					●				
BSB118	●			●						
BSB120	●			●						●
BSB215		●				●				
BSB218		●		●						
BSB220	●	●		●						●
BSB612			●					●	●	
BSB615			●				●		●	
BSB618			●		●				●	