DATASHEET

ABC IT
FOR AUTOMATION

// ABC S-U1040 Full Gigabit DIN-Rail unmanaged Industrial Switch

ABC S-U1040 Full Gigabit DIN-Rail unmanaged Industrial Switch can be seen in the harsh
environment of each and every industrial sector.
As one of the low cost and high reliability solutions to connect terminal devices to network, the
Ethernet Switch shows remarkable features such as high electromagnetic immunity and anti-shock & anti-vibration ability based on the extended industrial design.
The switch utilizes FPGA-and CPLD dynamic reconfiguration and replicates programming
technology for high stability and reliability.
Advanced solution, extended industrial design, and patented technologies make
ABC S-U1040 to one of the top choices for harsh industrial environments.

You can find the latest software updates and prices
on: www.abcit.eu

TECHNICAL DATA

• Unmanaged Switch with high performance and flexible configuration
• 1 x 1000 Mbps SFP ports
• 4 x 1000 Mbps TX ports
• Support up to 12 Gbps backplane bandwidth
• Dual redundant power inputs design for DC models
• Compact size and convenient installation
• Protection grade: IP40, metal housing
• Fanless, -40° to 75°C wide operating temperature range
• MTBF > 400,000 hours

HARDWARE

Input Voltage	18-36 VDC
Interface	4 x 1000 Mbps TX ports 1 x 1000 Mbps SFP ports

TECHNICAL DATA

HARDWARE DESCRIPTION

Backplane Bandwidth	12Gbps
CPU	Embedded 8051 processor
MAC Table Size	2K
Exchange rate	1000 Mbps

PHYSICAL PERFORMANCE

MTBF	> 400,000 hours
Operating Temperature	-40°C - 75°C
Storage Temperature	-40°C - 85°C
Relative Humidity	5% - 95 % ((non-condensing)
Dimensions (W x H x L)	110 mm x 28 mm x 140 mm
Protection grade	IP40
Weight	0,5 kg
Power consumption	4.5W

MECHANICAL CHARACTERISTICS

Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Circuit board	approved by IPC