

Gigabit Converter-Switch with Management



Key Features

- ▶ 1 x 100BASE-FX SC port
- ▶ 3 x 10/100BASE-TX RJ-45 port
- ▶ Comply to IEEE802.3/3u 10/100Base-TX & 100Base-FX
- ▶ Store & forward switching mechanism
- ▶ RJ-45 support auto-negotiation and MDI-MDIX auto-crossover
- ▶ IEEE 802.3x compliant Flow control
- ▶ Port based VLAN and IEEE 802.1Q Tagging VLAN supported
- ▶ Port based Priority and 802.1P Priority supported
- ▶ Support Broadcast storm control function
- ▶ Port Rate control and Port mirror supported
- ▶ Support SNMP, Console port, Telnet management function
- ▶ Support TFTP/FTP firmware upgrade
- ▶ Plug-and-Play installation
- ▶ LED indication: Power, Status, Link/Act, FDX/COL, 100M

The LBS302AE contain 1 100M Fiber port plus 3 10/100M UTP ports. This managed converter allow user to extend or interconnect their copper based Fast Ethernet network to a maximum distance up to 20KM.

The LBS302AE adapts the switching technology and function just like a managed switch instead of a traditional converter. The LBS302AE provide wire-speed, store and forward switching and other advanced features, such as Flow control, Port based or 802.1Q Tagging VLAN, rate control, etc.

The LBS302AE is easy to install and maintain. Operation status may be view by a set of clear, per-port LED or through the built-in management module locally via console or remotely via SNMP, Telnet management. MCT-2114BTFX also support TFTP/FTP firmware upgrade.

Ordering information

ITEM	CODE
10/100/1000BASE-T/SX, RJ45, MM, SC	LBS302AE
10/100/1000BASE-T/LX, RJ45, SM, 10km, SC	LBS302AE-SM

Specifications

Standards —
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX & 100BASE-FX

Interface —
1 x 100BASE-FX SC port
3 x 10/100BASE-TX RJ-45 port

Power —
External Power adapter
Input:100-240VAC, 50-60Hz
Output: 12VDC

Diagnostic LEDs —
Power, Status, Link/Act, FDX/COL, 100M

Dimensions —
220 x 146 x 34mm (WxDxH)

Temperature —
Operating : 0° -50° C
Storage : -20° - 60° C

Humidity —
5%-95% non-condensing

Emission —
Electrical: UL, CUL
EMI: FCC Class A, CE

Optic Fiber Details

LBS302AE
Connector Type — SC
Fiber Type — Multimode
Wave Length — 1310nm
Typical distance — 2 km
Min TX PWR — -19.0 dBm
Max TX PWR — -14.0 dBm
RX Sensitivity — -30.0 dBm

Link Budget — 11.0 dB

LBS302AE-SM
Connector Type — SC
Fiber Type — Singlemode
Wave Length — 1310nm
Typical distance — 10 km
Min TX PWR — -18.0 dBm
Max TX PWR — -7.0 dBm
RX Sensitivity — -28.0 dBm
Link Budget — 10.0 dB

Gigabit Converter-Switch with 1 Fiber



Key Features

- ▶ **Port One:** 1 x 10/100/1000BASE-TX RJ-45 port with expansion GBIC slot.
- ▶ **Port Two:** 1 x 10/100/1000BASE-TX RJ-45 port; 1 x 1000BASE-LX Simplex SC combo port
- ▶ Comply to IEEE802.3/3u/3ab 10/100/1000BASE-TX & 802.3z 1000BASE-TX & 802.3z 1000BASE-SX/LX
- ▶ Support 1 GBIC slot
- ▶ Store & forward switching mechanism
- ▶ RJ-45 support auto-negotiation and MDI-MDIX auto-crossover
- ▶ IEEE 802.3x compliant Flow control
- ▶ Port based VLAN and IEEE 802.1Q Tagging VLAN supported
- ▶ Support Broadcast storm control function and Static Packet Filter
- ▶ Support SNMP, Console port, Telnet management function
- ▶ Support TFTP/FTP firmware upgrade
- ▶ Plug-and-Play installation
- ▶ LED indication: Power, Speed, Link/Act, FDX/COL, SD



The LBS302AE-WA/B contain 1 Gigabit Ethernet UTP/Fiber port plus 1 Gigabit Ethernet UTP port with expansion GBIC slot. LBS302AE-WA/B adapts the WDM technology and able to provide Bi-Direction Gigabit communication up to 20KM via a single optical fiber.

The LBS302AE-WA/B adapts the switching technology and function just like a managed switch instead of a traditional converter. The LBS302AE-WA/B provide wire-speed, store and forward switching and other advanced features, such as Flow control, Port based or 802.1Q

Tagging VLAN, etc.

The LBS302AE-WA/B is easy to install and maintain. Operation status may be view by a set of clear, per-port LED indicators or through the built-in management module locally via console or remotely via SNMP, Telnet management. LBS302AE-WA/B also support TFTP/FTP firmware upgrade.

Ordering information

ITEM

CODE

10/100/1000BASE-T/GBIC, 1 Fiber	
SM, 20 km, SC, tx 1310 nmLBS302AE-WA
SM, 20 km, SC, tx 1550 nmLBS302AE-WB

Specifications

Standards —

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3ab 1000BASE-T
IEEE 802.3z 1000BASE-SX/LX

Interface —

Port One:

1 x 10/100/1000BASE-TX RJ-45 port with expansion GBIC slot

Port Two:

1 x 10/100/1000BASE-TX RJ-45port,
1 x 1000BASE-LX SC combo port

Power —

100-240VAC, 50-60Hz

Diagnostic LEDs —

Power, Speed, Link/Act, FDX/COL, SD

Dimensions —

310 x 240 x 44mm (WxDxH)

Temperature —

Operating : 0° -50° C

Storage : -20° - 60° C

Humidity —

5%-90% non-condensing

Emission —

Electrical: UL, CUL

EMI: FCC Class A, CE

Optic Fiber Details

LBS302AE-WA

Connector Type — SC

Fiber Type — Singlemode

Wave Length — TX: 1310 nm;

RX: 1550 nm

Typical distance — 20 km

Min TX PWR — -9.0 dBm

Max TX PWR — -3.0 dBm

RX Sensitivity — -21.0 dBm

Link Budget — 12.0 dB

LBS302AE-WB

Connector Type — SC

Fiber Type — Singlemode

Wave Length — TX: 1310 nm;

RX: 1550 nm

Typical distance — 20 km

Min TX PWR — -9.0 dBm

Max TX PWR — -3.0 dBm

RX Sensitivity — -21.0 dBm

Link Budget — 12.0 dB

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