BB-USO9ML2-A BB-USO9ML2-LS-A

USB to RS-232 Converter - 2kV isolation, high retention USB port



Features

- USB to RS-232 Data Conversion
- 2 kV Isolation with 4 kV Contact, 8 kV Air ESD Protection
- USB 2.0 Full Speed Compatible (12 Mbps)
- RS-232 Data Rates Up to 460.8 kbps
- Compact In-Line Case
- USB Bus Powered
- High retention USB port for secure cable connections
- One USB cable included 0.9 m
- Locked Serial Number model option

Specifications

Serial Technology

■ RS-232 TD, RD, RTS, CTS, DTR, DSR, DCD, GND

Connector DB9 Male (DTE)
Data Rate 460.8 kbps
Isolation 2 kV

USB Technology

USB Compatibility
Speed
1.1 and 2.0 (at full speed)
12 Mbps (full speed)

• **Connector** USB Type B female, high retention

Power

Source USB Bus Powered

Power Consumption Low Power Device (Less than 100 mA)

LED Indicators

• TD / RD (RS-232) Red LED

Software

Driver FTDI Virtual COM Port (VCP) Driver

O/S Windows 2000, XP (32/64 bit), Vista (32/64 bit), 7 (32/64 bit), 8 (32/64 bit), 10 (32/64 bit),

2003 & 2008 Server (32/64 bit)

Mechanical

Dimensions 76.2 x 42.7 x 20.1 mm
Enclosure IP30, Plastic
Weight 0.18 kg

Meantime Between Failures (MTBF)

• **MTBF** 247713 hours

• MTBF Calc. Method MIL 217F Parts Count Reliability

Environmental

Operating Temperature 0 to +70 °C
Storage Temperature -40 to +85 °C

• Operating Humidity 0 to 95%, non-condensing

Approvals, Standards, Directives

- FCC

• **CE - Directives** 2014/30/EC – Electromagnetic Compatibility Directive

2011/65/EU amended by 2015/863/EU – Reduction of Hazardous Substances Directive (RoHS) 2012/19/EU – Waste Electrical and Electronic

Equipment (WEEE)

CE - Standards

EN 55032: Class B – Electromagnetic Compatibility of Multimedia Equipment - Emission Requirements

EN 55024 — Information Technology Equipment -

Immunity Characteristics

EN 61000-6-1 — Generic Immunity Standard for Residential, Commercial and Light-Industrial

Environments

EN 61000-6-3 +A1 — Generic Emissions Standard for Residential, Commercial and Light-Industrial

Environments (Class B)

Ordering Information

BB-US09ML2-A

USB to RS-232 Converter, Isolated

BB-US09ML2-LS-AUSB to RS-232 Converter, Isolated - Locked Serial Number version of BB-US09ML2-A

Accessories – Sold Separately

BB-USBAMBM-3F USB cable, Type A Male - Type B Male, 0.9 m

(one included)

BB-USBAMBM-6F USB cable, Type A Male - Type B Male, 1.8 m

■ **BB-9PAMF6** Serial cable, DB9 male - DB9 female, 1.8 m

