USB Transmission over Two Fibers up to 10 km

The USB-520 system provides the flexibility to integrate high-speed USB 2.0 extension with unsurpassed optical transmission.

System Design

The USB-520 transmitter (XMT) and receiver (RCV) units come as a compact stand alone system.

The USB-520 represents Opticomm's next generation of products which allow for integrated USB 2.0 extended range solutions.

• Extends USB 2.0 over fiber (up to 10 km)

• Opticomm's USB-520 suits a wide variety of applications for the consumer electronics, medical, security, Pro A/V, environmental monitoring, KVM, financial, industrial control and flight simulation markets.

Features

• Supports USB 1.1 (low-speed, full-speed) and USB 2.0 (high-speed) devices at up to 480 Mb/s.

• True plug-and-play, no drivers required.

• Supports all major operating systems including: Windows, Mac-OS, Sun and Linux.

865	1310	Mode	Wavelength Suffix	Fiber Type	Range*	Conn Type
•		MM	L0	50/125μ 62.5/125μ	500 m	Dual LC
	•	SM	L2	9/125μ	10 km	Dual LC

* Chromatic dispersion and additional losses should be taken into account.

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Opticomm reserves the right to change specifications without notice

Product Specifications

USB cable	2 meters (6.6 ft)
Data rate	480 Mbps
XMT connector (upstream)	1 x USB Type B
XMT connector (downstream)	Dual LC
RCV connector (upstream)	Dual LC
RCV connector (downstream)	4 x USB Type A
Power adapter capacity	15 V_{DC} @1A (connected at XMT and RCV)
Power available to USB at RCV	4 x 500 mA
XMT dimensions	114 mm x 106 mm x 38 mm (4.5" x 4.2" x 1.5")
XMT weight	0.3 kg (0.6 lb)
RCV dimensions	114 mm x 106 mm x 38 mm (4.5" x 4.2" x 1.5")
RCV weight	0.3 kg (0.6 lb)
Power adapter capacity	5 V_{DC} @1 Amp (connected at XMT and RCV)
Total system shipping weight	1.1 kg (2.4 lb)
Temperature range	0º C to 40º C

Optiva™ Configurable
Communication Platform

Network Management

SDI & HD-SDI

Composite Video,
Audio & Data

RGB/VGA/DVI

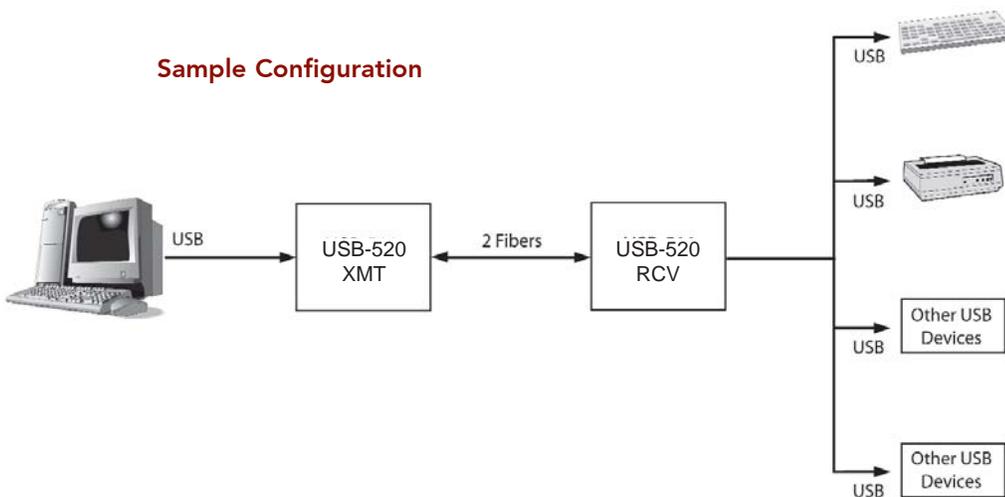Audio/FSK/Intercom

Data (Ethernet/Serial/USB)

CATV/RF & L-Band

Optical Switching, Routing
& Redundancy

Passive Multiplexing
Solutions

Enclosures, Racks
& Frames

Power Supplies
& Accessories

Sample Configuration