

## UltraMux-2000 2x 1000Megabit Ethernet Converter



### UltraMux-2000 2x 100/1000Base-T to 2.5Gbps Fiber media, Standalone converter

#### Overview

The **UltraMux-2000** Ethernet converters are designed to doubling of carrying capacity of existent 1Gbps optical segments of main channels or distantly separated LANs. These converters have the functionality to connect any managed/unmanaged 100Mbps, or 1000Mbps (1Gbps) switch or hub using standard 100/1000Base-T RJ-45 connections and convert the electrical signal to fiber optical signal via its SFP slot.

#### Increases the Speed of main channel and LAN

Each **UltraMux-2000** converter features a **two** 100/1000Base-T twisted pair ports and **one** an SFP slot. The two twisted pair ports has an RJ-45 connector and a maximum operating distance of 100 meters (328 feet). These ports can operate at full-duplex. The **UltraMux-2000** has a slot for removable SFP modules. The maximum operating distance and speed is dependent on the type SFP modules. The **UltraMux-2000** supports SFPs operating at **2x1Gigabit** Ethernet (up to **2600Mbps**) speeds.

#### Key Features

- Simple and cheap way to agregate two Gigabit channels over fiber media
- Rises in **TWO TIMES** a fiber's utilization in opposite to classic mediaconverters
- Transparent for high-level protocols
- Extends Gigabit networks to distances up to 120km
- Supports up to 2600Mbps SFP modules
- Auto MDI/MDI-X
- Auto-negotiation (IEEE 802.3u-compliant)
- Transparent to IEEE 802.1Q VLAN packets
- System and port LEDs
- External AC power adapter

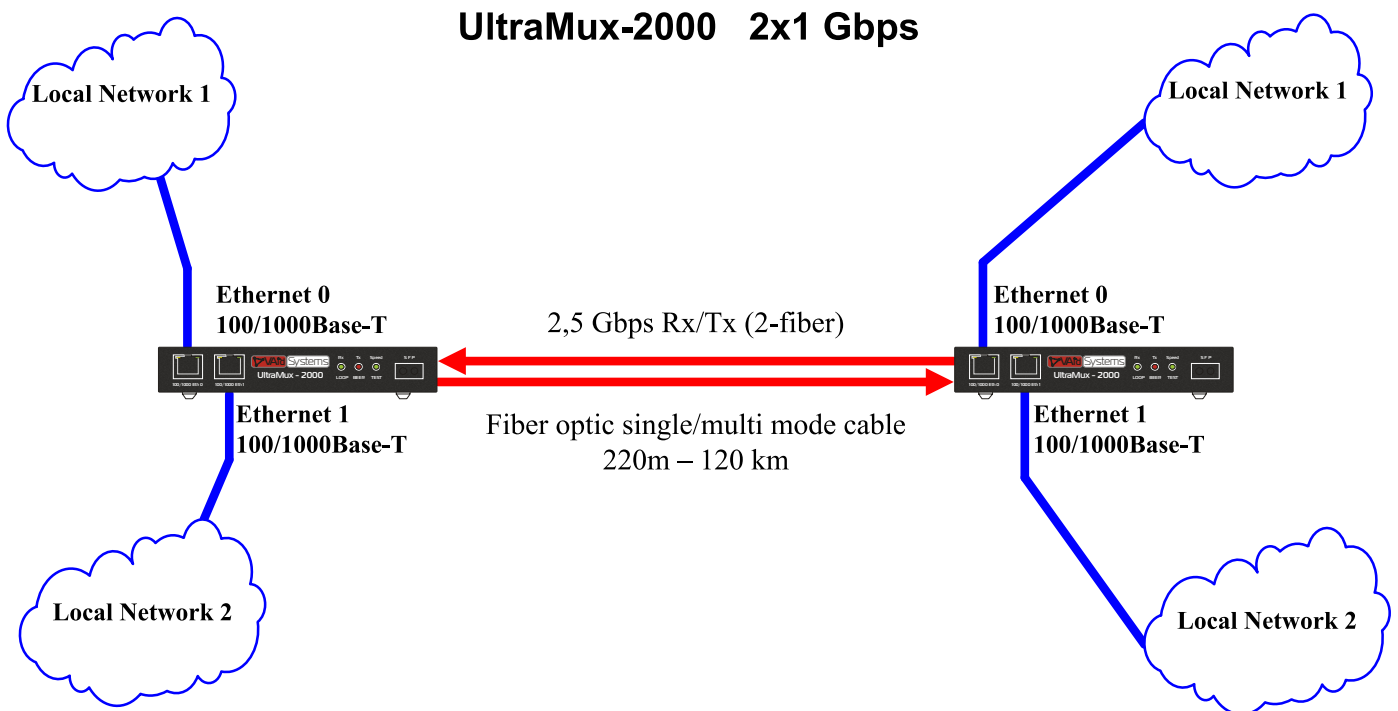
#### Hassle Free Support

All **VAid Systems** Ethernet converters have a limited lifetime warranty and free technical support, ensuring trouble-free installation.

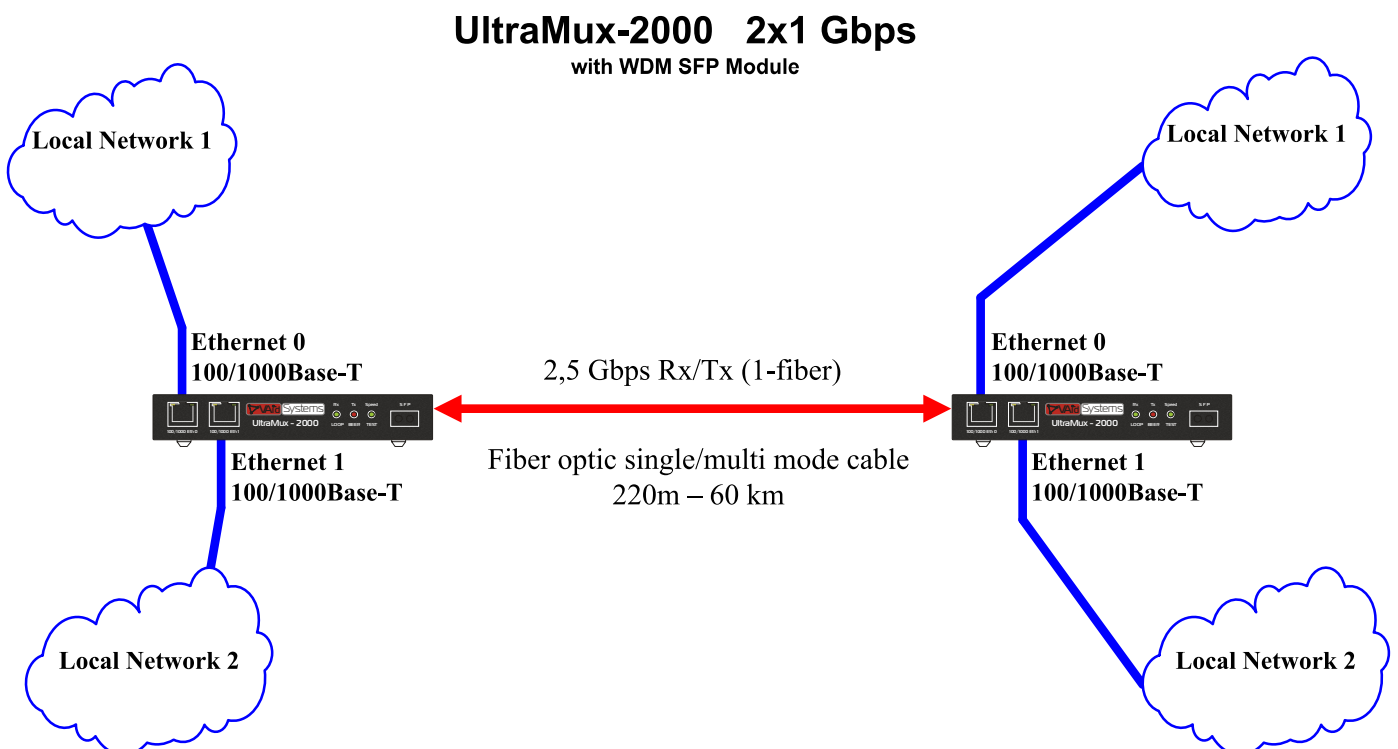
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## 2x 1000 Megabit Ethernet Converter

2x Gigabit solutions



Pic.1



Pic.2

# UltraMux-2000

## 2x 1000 Megabit Ethernet Converter

### Technical Specifications

100/1000T Twisted Pair Port LEDs		
LED	Colour	Description
LINK	Green	Link is UP , speed 1Gbps.
	Yellow	Link is UP , speed 100Mbps.
	Off	Link is DOWN.
ACT	Blinking Green	RX or TX activity indication.

SFP Port LEDs (WORKING MODE)		
LED	Colour	Description
RX	Blinking Green	RX activity indication (from SFP to Ethernet ports).
	Red	Fiber Link Fault alarm.
TX	Blinking Green	TX activity indication (from Ethernet ports to SFP).
	Red	Fiber Link Fault alarm.
SPEED	Green	Device accepts 1Gbps only at Eth0/Eth1 ports.
	Red	Device accepts 100Mbps only at Eth0/Eth1 ports.

LOOP MODE LEDs (TEST MODE)		
LED	Colour	Description
LOOP	Red	TEST MODE is activated.
BER	Off	BER Tester is inactive.
	Green	BER Test is running. Valid test data has been received.
	Red	BER Test Errored test data has been received and latched.
TEST	Off	Loopbacks are inactive.
	Green	Local Loopback is ON.
	Blinking Green	Local Loop-back is ON + BER Test is running.
	Red	Remote Loopback is ON.
	Blinking Red	Remote Loop is ON + BER Test is running.

Physical Specifications	
Dimensions: (W x D x H)	17,7cm x 10cm x 3.2cm (6.953 in x 3.93 in x 1.25 in)
Weight:	0.37 kg (0.82 lbs)

Power Characteristics	
External power Supply:	100-240V AC,50/60Hz +/- 3%
Input supply voltage:	12VDC +/- 5%
Max current power consumption:	1,5A, 10W+/-5%

Copper Ports
Two RJ45 connector Auto MDI/MDI-X Full-duplex Auto-negotiation 100/1000Base-T compliant

Environmental Specifications	
Maximum operating temp:	0°C to 40°C (32°F to 104°F).
Maximum storage temp:	-25°C to 70°C (-13°F to 158°).
Operating and storage altitude:	Up to 3,048 meters (10,000 feet).
Relative humidity operating and storage:	5% to 95% (non-condensing).