

Mitel StreamLine Technical Data Sheet

Table 1: Mitel StreamLine 24-Port and 48-Port Models Technical Specifications

Description		Specification
Models		24-Port: Can drive up to 24 StreamLine Dongles 48-Port: Can drive up to 48 StreamLine Dongles
Dimensions		19 inches x 1U Without rack ears: 4.45 cm x 43.5 cm x 25.2 cm (HxWxD) [1.75" x 17.13" x 9.92" (HxWxD)]
Weight		3.61 kg (7.96 lb.)
Enclosure Material		Aluminum
Mounting		Standalone or rack or shelf-mountable 2 brackets included for installation
Processor		Broadcom BCM56018 switch processor, 266MHz
Memory		32MB FLASH 64MB DDR SDRAM
Interfaces:	Downlink (PoE and IP to adapter)	Model 24-Port: 1 RJ21 male telco connector (standard), 24 pairs used Model 48-Port: 2 RJ21 male telco connectors (standard), 48 pairs used Maximum distance: 365 m (1,200ft), 24 AWG, CAT-3 UTP or better and CW1308 cabling Speed: 10Mb/s (full duplex) PoE power: 10 Watts
	Ethernet uplink	Maximum 2 uplinks, each 1Gb/s (full duplex) Copper: 2 RJ45 ports: 10/100/1000 Base-T autosensing, independent speed selection, Ethernet IEEE 802.3, CAT-5e copper cable Fiber: 2 Ethernet IEEE 802.3z compliant Small Form Factor sockets that accept optical transceivers allowing uplink connections ranging from 550 m (1,804ft) to 5 km (6,404ft)
	Management	1 LAN port (MGMT): RJ45, 10/100 Base-T autosensing, IEEE 802.3 1 UART console port: RJ45 to DB9 cable
Power supply		Hot-Swappable Power Supply Unit Autosensing 100-240VAC, 50/60 Hz Power output: 500W max at 100VAC 1000W max at 240VAC
Power consumption		24-Port 16.5W 48-Port 22W
Power injection (PoE)		DC voltage: -54VDC Endpoint devices must be compliant with IEEE 802.3af
Power load sharing		2 male connectors (rear), DC IN and DC OUT: -52VDC
Fans		2 on Unit, 2 on power supply unit
Operating temperature		-10°C to 50°C (14°F to 122°F)
Storage temperature		-25°C to 70°C (-13°F to 158°F)
BTU		24-Port: 61 BTU per hour 48-Port: 81 BTU per hour
Humidity		10% to 95% (non condensing) at 35°C (95°F)
MTBF		50,000 hours (24 Port and 48 Port) and 10 years (Power Supply Unit)

Table 2: Mitel StreamLine Dongle Model Technical Specifications

Description		Specification
Dimensions		1.8 cm x 2.8 cm x 6.5 cm (HxWxD); 0.71" x 1.1" x 2.56" (HxWxD)
Weight		22 g (0.78 oz.)
Enclosure		ABS (AF-312B)
Mounting		Inline between the CAT-5e cable (to IP endpoint) and the CAT-3/CW1308 ¹ cable (to RJ11 jack)
Interfaces	Mitel StreamLine side:	1 RJ11 port: CAT-3/CW1308 unshielded single twisted pair cable. Between the wall plate and adapter, you can reuse the existing silver satin when doing a DNIC/POTS displacement. BT wall plate connectors may require optional BT Adapter Cables.
	Ethernet side: for IP endpoint device	1 RJ45 port: 10/100 Base-T autosensing, IEEE 802.3af 10 Mb connection to IP end device
Power injection (PoE)		DC voltage on RJ45 port: -54V max -37V when 1200' (365m) away from Mitel StreamLine Powers Class 1, Class 2 and some Class 3 IEEE 802.3af compliant IP devices
Power consumption		900 mW
Operating temperature		0°C to 40°C (0°F to 104°F)
Storage temperature		-25°C to 70°C (-13°F to 158°F)
Humidity		10% to 95% (non-condensing) at 35°C (95°F)
MTBF		22.3 years

¹ StreamLine is supported on CAT-3 or better, and CW1308 cabling of up to 365 m (1,200ft). For more technical details, please consult the *StreamLine Site Survey* document available at "www.mitel.com/molstreamline".

Table 3: Mitel StreamLine 8-Port Model Technical Specifications

Description	Specification
Dimensions	4.5 cm x 17.8 cm x 12 cm (HxWxD) 1.77" x 7.01" x 4.72" (HxWxD)
Weight	0.308 kg (0.679 lbs.)
Interface: Uplink Port 1 - Ethernet Uplink Port	1 RJ45 port: 10/100 Base-T, auto-sensing, Ethernet IEEE 802.3, used to provide an Uplink connection to the IP PBX or network switch. CAT-5 cabling should be used.
Interface: Uplink Port 2 - Ethernet Expansion Port	1 RJ45 port: 10/100 Base-T, auto-sensing, Ethernet IEEE 802.3, used to provide connectivity to a second StreamLine 8-Port switch when more than 8 downlink ports are required. Connect this Port to Uplink Port 1 on the second StreamLine 8-Port switch. CAT-5 cabling should be used.
Interface: Downlink Ports 1-8 (PoE and IP to adapter)	8 x RJ11 Jacks Maximum distance: 365 m (1200') 24 AWG, CAT-3 UTP or better and CW1308 cabling Speed: 10 Watts maximum at PD. PoE power: 10 Watts
Power supply Input Requirements	48 VDC @ 2 Amps
Power consumption	2.9W (StreamLine unit only, Dongle and IP Phone power is not included)
Power injection (PoE)	48VDC Endpoint devices must be compliant with IEEE 802.3af IEEE 802.3af Class 1, Class 2 and some Class 3 devices are supported. PD power consumption must not exceed 10 watts.
Operating temperature	-10° C to 45° C (14°F to 114°F)
Humidity	10% to 95% (non-condensing) at 35° C (95° F)
MTBF	20 years



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