

This quick start guide describes how to install and use the Industrial Media Converter. This is the Media Converter of choice for harsh environments constrained by space.

Physical Description

The 100Base-FX connections, Terminal Block and Power Inputs

Model Number:

HMC-HMT-F1S

Top Panel



Top panel—The fiber port(s) for 100Base-FX connections

The 100Base-FX Connections

The TX (transmit) port of device I is connected to the RX (receive) port of device II, and the RX (receive) port of device I to the TX (transmit) port of device II.

X value:

A for Multimode fiber

B for Singlemode fiber

FIBER	Connector
TX	SC Optical Connector
RX	SC Optical Connector

X value:

G for Multimode fiber

H for Singlemode fiber

FIBER	Connector
TX	ST Optical Connector
RX	ST Optical Connector

The WDM 100Base-FX Connections

Only one single-mode optical fiber is required to transmit and receive data.

X value:

C and D for Multimode fiber

H and F for Singlemode fiber

FIBER	Connector
	SC Optical Connector

X value:

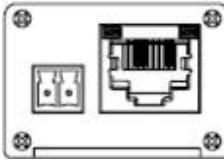
I and J for Multimode fiber

K and L for Singlemode fiber

FIBER	Connector
	ST Optical Connector

Bottom panel—Ethernet Port and Power Input

Ethernet Port



NETWORK	RJ45 Connector

Power Input Assignment

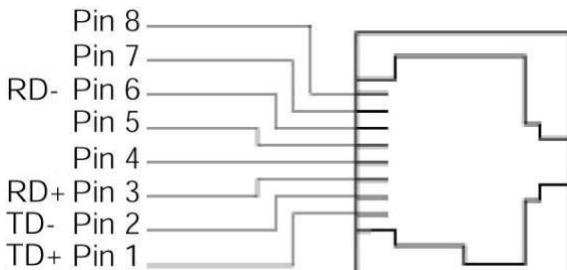
12VDC	1	GND	Terminal Block
	2	12V	

*There will be no “TX” and “RX” in single fiber condition.

Interface

The 10/100Base-TX Connections

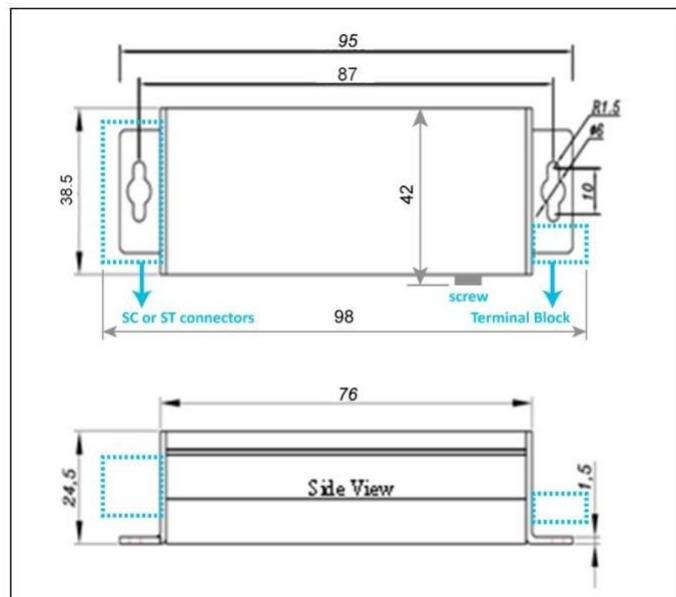
The following lists the pinouts of 10/100Base-TX ports.



Pin	Regular Ports	Uplink Port
1	Output Transmit Data +	Input Receive Data +
2	Output Transmit Data -	Input Receive Data -
3	Input Receive Data +	Output Transmit Data +
4	NC	NC
5	NC	NC
6	Input Receive Data -	Output Transmit Data -
7	NC	NC
8	NC	NC

The Port Status LEDs, dimension drawing for the Micro unit

LED	State	Indication
PWR	Green	Power on.
	Off	Power off.
FX SPD	Green	100Base-FX
	Off	10Base-FX
FX LINK	Steady	A valid network connection established
	Flashing	Transmitting or receiving data. ACT Stands for Activity.
SPD	Yellow	100Base-TX
	Off	10Base-TX
LINK/ACT	Steady	A valid network connection established
	Flashing	Transmitting or receiving data. ACT Stands for Activity.



Functional Description

- Converts 10/100Base-TX to 100Base-FX
- Full/Half duplex, Auto-Negotiation
- Singlemode or Multimode fiber operation
- Single or Dual-core fiber with SC or ST connectors
- MDI/MDI-X Auto-Crossover supported
- Sleek Microtype design, fits within most camera housing
- Plug-and-Play
- 12VDC Terminal Block Power inputs
- -10°C to 60°C (14°F to 140°F) operating temperature.

Assembly, Startup, and Dismantling

Installation

- Installation: Mount the Micro-type unit onto a fixture, or camera housings, e.g. a plank, (either on the wall or on a flat surface) with at least 2 screws piercing through the holes on the mounting frame to secure it in position.
- Startup: Connect the supply voltage to start up the Media Converter via the terminal block.
- Dismantling: Locate and remove the securing screws. Usually, but not limited to, at least 2 screws.