

## Optical Media Converter—10/100/1000M auto adjust series

Halley Fiber Optic Media Converters are designed to transmit and receive 10/100/1000 Mbps data over multimode or single mode optical fiber. The electrical interface will be Auto-Negotiate to a 10 Mbps, 100 Mbps or 1000Mbps Ethernet rate without any adjustments. The optical interface operates at a bi-directional 100 Mbps Ethernet rate. These media converters are environmentally hardened to operate in extreme temperatures. LED indicators are provided for rapidly ascertaining equipment operating status. It is fully compliant to IEEE802.3u standards.

### ■ Item Number list:

Type	Optical Connector	Fiber type	Max. distance	Power Supply	Standalone / Card-in
HOE3021	ST/SC	Multi-mode, Duplex core	2km	External DC5V	Standalone
HOE3022	ST/SC	Single-mode, Duplex core	20km~100km	External DC5V	Standalone
HOE3023	SC	Multi-mode, Simplex core	2km	External DC5V	Standalone
HOE3024	SC	Single-mode, Simplex core	20km~100km	External DC5V	Standalone

### ■ Features

- Electrical port supports Auto-Negotiation for 10 Mbps or 100 Mbps or 1000Mbps, full duplex or half duplex data.
- Optical port supports 1000 Mbps full duplex data
- ST or SC optical connectors
- Internal circuit of prevented thunder could greatly reduce damage of the converter caused by thunderbolt induction.
- Distances up to: 2 km Multimode and 20 km Single Mode
- Transparent to data encoding/compatible with major data protocols
- 1 or 2 fiber design
- AC/DC powered
- No in-field optical adjustments required
- LED Indicators
- Operating standards: IEEE802.3u, 10/100/1000Base-TX and 1000Base-FX
- MAC address table: 1K

■ **Specifications**

<b>General Specifications</b>	
Power Supply	DC5V
Operating Temperature	0 ~ 60°C
Storage Temperature	-40°C ~ +70°C
Operating Humidity	5-95% (non-condensing)
Dimensions: External power	172x131x27mm
<b>Optics</b>	
Optical wavelength	850nm or 1310nm or 1550nm
Cable Type and Transmission Distance	Cat. 5 UTP<100m; Multimode Fiber Cable: <5km; Single-mode Fiber Cable: <100km
Connector	UTP: RJ-45 10/100Mbps; Fiber: ST/SC/FC 100Mbps
Acceptable highest optic loss budget for single-mode fiber: 10~35dB	
<b>Ethernet</b>	
Flow Control: full-duplex	Support standard IEEE802.3x
Flow Control: half-duplex	back pressure
Connector	RJ45
Data rate (Mbps)	10/100 /1000M auto adjust, Duplex/Half duplex

