

# ATC Optical Fiber modem





**ATC-277MM/SM**  
**Multi Mode Optical Fiber Modem**

<b>Optical Fiber Port</b>	Interface: SC or ST	SC or ST
	Fiber requirements	50/125 $\mu$ m,100/140 $\mu$ m,200 $\mu$ m.
	Transmission distance	SM:20 km MM:2km
	Wavelength	SM:1310 nm MM:850 nm
	Coupled Power Budget	12.1 dB
	Point to point transmission	half-duplex and full-duplex
<b>RS-232/485/422 Port</b>	Interface:	DB9-DTE (Male) for RS-232. 6-bit terminal connector for RS-485/422.
	RS-232:	TXD,RXD,GND
	RS-485:	485+,485-
	RS-422:	TX+,TX-,RX+,RXBaud
	baud rate	300bps ~ 250.4kbps
	Lightning protection	RS-232: each line 600W
		RS-485/422: each line 1000W
<b>Physical Specifications</b>	Shell	iron (1 mm)
	Size	100mm × 86mm × 26 mm
	Weight	0.60kg (full package)
	Operating temperature	-20°C to 70°C
	Storage temperature	-40°C to 80°C
	Working humidity	5 ~ 95% RH
	Power supply	9-24VDC @ 250mA max.
	Ingress Protection	IP30



### NMC-3312/3313

#### 10/100Mbps Bi-Di Media Converter (pair)

Parameter	
<b>Standard</b>	IEEE802.3, IEEE802.3u, IEEE802.3x
<b>Data rate</b>	100 Mps
<b>Operating wavelength (nm)</b>	min: 1280, typ: 1310, max: 1335; min: 1480, typ: 1550, max: 1580
<b>Fiber Interface</b>	SC/PC Fiber connector, 9/125um single mode fiber
<b>RJ45 Port</b>	UTP-100-ohm Cat.5 cable
<b>Max segment length (UTP)</b>	120 meters
<b>Max segment length (UTP)</b>	NMC3312 (1310nm): 20Km (SM fiber) NMF3313 (1550nm): 20Km (SM Fiber)
<b>Ext. Power supply</b>	AC 86-260VAC, 50-60Hz
<b>AC-DC Power adaptor</b>	+5VDC, 1A
<b>Operating temperature</b>	comercial grade: 0 to 70 °C Industrial grade: -20 to 85°C
<b>Storage temperature</b>	-40 to 85°C
<b>Humidity</b>	5% - 90% (non-condensing)
<b>EMI and safety</b>	CE, FCC class A
<b>Dimensions (L x W x H)</b>	95 x 71 x 26mm



### NMC-210

#### 10/100M industry Ethernet optical transceiver

<b>Communcation</b>	standard	Comply with IEEE802.3 10 base-t, 100 base-t, 100 base - F standards
	Electrical signal mouth	R+ 、 R- 、 T+ 、 T- 、 GND
	The optical signal	IN 、 OUT
	Electric rate of mouth	10/100 MBPS rate adaptive
	Light mouth rate	1000Mbps
	Way to work	Asynchronous work, point-to-point, adaptive support full/half duplex
	Electric transmission distance	100M
	The light transmission distance	2 km (multi-mode), 25/40 25/40 / km (single- mode)
	Electric cable mouth	UTP 5 e class
	Light mouth cable	Multimode fiber: 50/125, 62.5/125, mu m, single-mode fiber: 8.3/125, 8.7/125, 9/125 or 8.7/125 microns
	Light mouth wavelength	1310 nm (2 km, 25 km, 40 km), 1550 nm (100 km), 1310 nm (2 km) multimode
	The electricity fitting	RJ45 seat
	The light fitting	SC, ST, or FC
<b>Environmental</b>	Working power supply	-20°C-70°C
	humidity	Relative humidity of 5% 95%
<b>Power</b>	The input power	24 VDC power input (12 VDC ~ 36 VDC, three terminals)
	Power consumption	4W
	Appearance of size	Length x width x height: 104mm×79mm×38mm