

1xN Mechanical Fiber Optic Switch



1xN mechanical fiber optic switch module

Features:

- Up to 128 roads
- Low loss and high reliability
- Parallel Interface
- Exclusive patent technology,

Applications:

- Fiber Circuit
- Atomic Measurement
- Optical fiber network remote monitoring



1xN desktop optic switch instruments



1xN Rack-mountable optic switch instruments

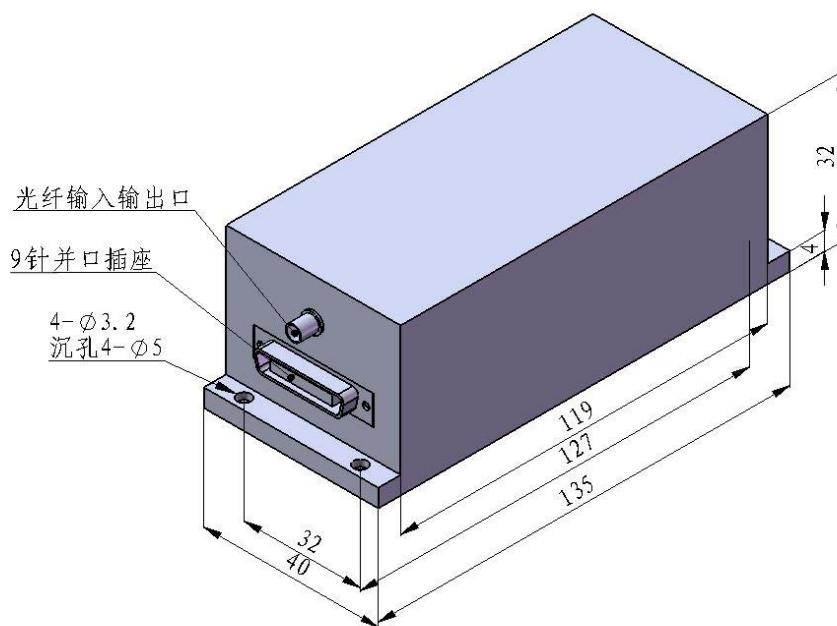
1xN optic switch is a kind of function devices which can switch optical path. In optical fiber transmission system, it used for multiple light monitoring, LAN, Light/detector, the protection of Ethernet networks connect and conversion etc. In the fiber test system, it used for fiber and fiber components testing, network testing, wild cable testing, the optical fiber sensing multi-point monitoring system.

Specifications:

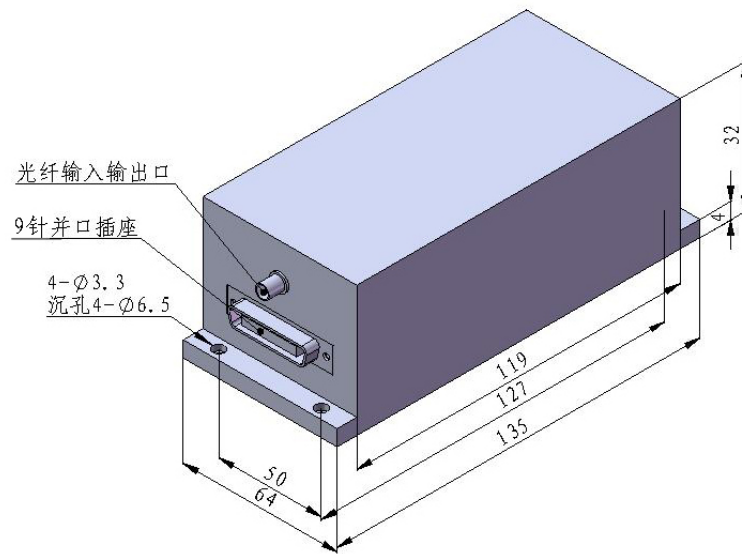
Parameters	unit	1×N			
		532~980 (MM)	532~980 (SM)	1260~1620 (MM)	1260~1620 (SM)
Operating Wavelength	nm	532~980 (MM)	532~980 (SM)	1260~1620 (MM)	1260~1620 (SM)
Testing Wavelength	nm	650/780/ 850/980	650/780/ 850/980	1310/1490/ 1550/1625	1310/1490/ 1550/1625
Insertion Loss	dB	Typ:0.6 Max:1.0	Typ:0.6 Max:1.0	Typ:0.6 Max:0.9	Typ:0.5 Max:0.8
Return Loss	dB	SM≥50、MM≥30			
Cross Talk	dB	SM≥55、MM≥35			
Polarization Dependant Loss	dB	≤0.05			
Wavelength Dependant Loss	dB	≤0.25			
Temperature Dependant Loss	dB	≤0.25			
Repeatability	dB	≤±0.02			
Lifetime	times	After 10 ⁷ (IL≤0.7 dB)、10 ⁹ (IL≤0.9 dB)、10 ¹⁰ (IL≤1.5dB)			
Light Transmission Power	mW	≤500			
Switching Time	ms	≤8			
Operating Temperature	C	-20~+70			
Storage Temperature	C	-40~+85			
Power supply	V	+5 or 12			
Module configuration dimensions	mm	1<N<6 (135×40×32)	6≤N≤12 (135×64×32)	8≤N≤16 (184×78×38)	16≤N≤48 (184×78×66)
		48≤N≤96 (206×78×66)			

Shape dimension (mm)

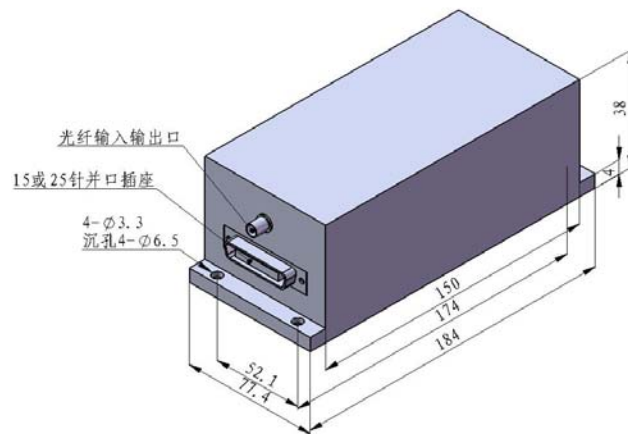
1XN (1<N<6) optic switch shape dimension chart (mm): (L)135×(W)40×(H)32



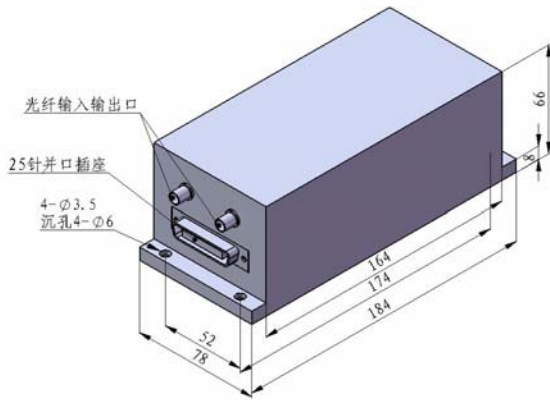
1 X N($6 \leq N \leq 12$) optic switch shape dimension (mm): (L)135×(W)64×(H)32



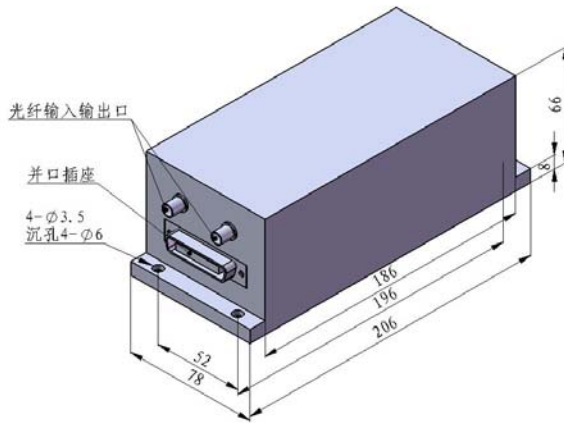
1XN($8 \leq N \leq 16$) optic switch shape dimension(mm): (L)184×(W)77.4×(H)38



1XN($16 \leq N \leq 48$) optic switch shape dimension (mm): (L)184×(W) 78×(H) 66



1XN(48 ≤ N ≤ 96) optic switch shape dimension (mm): (L)206 × (W) 78 × (H) 66



Ordering information:

Type	State	Operating wavelength	Port	Grade	Fiber type	Fiber length	In/Out connector type
SMS	1=non-latching	15=1550±40nm	0101=1x1	1=P	1=Bare Fiber	1=1	1=None
	2=latching	13=1310±40nm	0104=1x4	grade	2=900um Jacket	Meter	2=FC/APC
		35=1310/1550nm	0108=1x8	2=A		2=2	3=FC/PC
			01016=1x16	grade		Meter	4=SC/APC
			01032=1x32				5=SC/PC
			01064=1x64				6=ST
			0100=other				7=LC