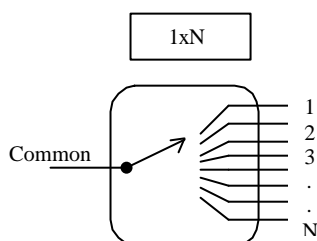


1xN Programmable Optical Switch System

The LT1000 Series of 1xN programmable switch systems connect either single or dual fiberoptic channels to any "N" (up to 200) optical channels. They deliver excellent performance and high reliability. The LT1000 Series can be equipped with other switches and fiber taps to offer a flexible architecture for custom applications. Available with remote control via RS232 or GPIB interfaces.



Configurations:



Features

- Simplex and duplex configurations available
- Can be equipped with other switches and fiber taps for special applications
- Connects up to 200 channels
- Low insertion loss of 0.6 dB, typical
- High repeatability and low crosstalk at <-60 dB
- Local and IEEE 488 or RS 232 remote control
- Bench top or rack mounting

Applications

- Channel monitoring
- R&D laboratories
- Remote network testing
- Manufacturing test systems
- Field test systems
- Transmitter/receiver measurements

Specifications

Item	Unit	Specifications	
		LT1100	LT1200
Insertion Loss ^{1,2}	dB	0.7 typ. ~ 1.0 max	0.7 typ. ~ 1.0 max
Repeatability	dB	< ± 0.01	< ± 0.02
Switching Time	ms	80 + 25/channel	25 typ. ~ 35 max
Operating Temperature	°C	0 to 50	
Back Reflection	dB	< -55	
Crosstalk	dB	< -60	
PDL	dB	< 0.1	
Control	--	Local Keypad GPIB / RS-232 interface	
Chassis (19" rack mount)	--	2U-half rack, 2U, 4U, 8U	
Wavelength Window ³	nm	1280~1340, 1520~1580	

All specifications referenced without connectors.

All specifications referenced with single-mode fiber.

Multimode switches available upon request.

1.Insertion loss based on 1550 nm single wavelength.

2.Add 0.2 dB for 1310/1550 nm dual wavelength.

3.Optimized at 1310 or 1550 nm (other wavelengths available upon request).

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Ordering Information:

Example: N116XM5G-FCA

Code		# of Output Channels	
08		8	
16		16	
24		24	
32		32	
64		64	
72		72	
99+		Contact us	

Code		Control	
G		GPIB ⁽¹⁾	
R		RS-232	
B		Both	

Code		Wavelength	
3		1310 nm	
5		1550 nm ⁽¹⁾	
D		1310/1550 nm ⁽²⁾	
S		Special	

Code		Connector Type	
FCA		FC/APC	
FCP		FC/PC	
FCU		FC/UPC	
SCA		SC/APC	
SCP		SC/PC	
SCU		SC/UPC	
STP		ST/PC	
XXX		No Connectors	
SSS		Special	

(1) Product standards
(2) Cause specification change

The information set forth in this document reflects our best knowledge at the time of issue. The document is subject to changes pursuant to new developments and findings, and a similar reservation applies to the properties of the products described. We undertake no liability for results obtained by usage of our products and information.