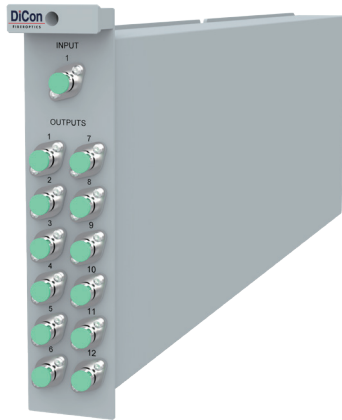


GP850 OPTICAL SWITCH

Singlemode 1XN Switch Slot Card



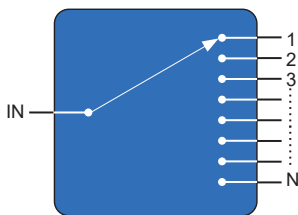
DiCon's **Single Mode 1xN Switch Slot Card** offers accurate connection of one input fiber to one of N output fibers. Each Slot Card is designed for easy integration into DiCon's GP850 modular system. All Slot Card require no configuration and are hot swappable, providing true plug-and-play functionality.

- Precise Repeatability
- Fast Switching Time
- MEMS Durability and Reliability

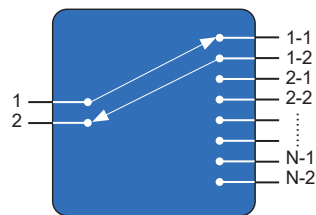
Applications

1xN Switches enable channel selection in an automated test system. They are commonly used to connect multiple sources or receivers to a device under test, or to quickly cycle between multiple devices connected to a single source.

SIMPLEX SWITCH



DUPLEX SWITCH



ORDERING INFORMATION

GP850 - SL - M - □ / □ - □ - □ - 9 - □ - □ - □ - N

Product Type	
SL	Slot Card
Device Type	
M	MEMS Switch
Number of Switches	
#	Number of Switches
Switch Type	
1xN	1xN Simplex (N≤128)
1xN/DS	1xN Duplex (N≤128)
Slot Width	
1S	1-Slot Module
2S	2-Slot Module
4S	4-Slot Module
6S	6-Slot Module
8S	8-Slot Module
<i>*Custom multi-slot modules available</i>	
Alignment Type	
T	Transparent
P	Opaque
Fiber Type	
9	9/125 μm SMF
<i>*Other fiber options available upon request</i>	
Test Wavelength	
O	1260-1360 nm
E	1360-1460 nm
S	1460-1530 nm
C	1530-1570 nm
L	1570-1625 nm
U	1625-1675 nm
<i>*Multiple wavelength ranges can be supported.</i>	
<i>Use "/" to add multiple ranges.</i>	
<i>For example: For 1260 - 1360 nm & 1530 - 1570nm use O/C,</i>	
<i>for 1260 to 1675 nm use O/E/S/C/L/U</i>	
Start Up State	
0	Channel 0 (Off state)
1	Channel 1
X	Channel X
Connector Type	
FC	FC/UPC
FC/APC	FC/APC
SC	SC/UPC
SC/APC	SC/APC
LC	LC/UPC
LC/APC	LC/APC
N	None
<i>*Other connector types available upon request</i>	
Connector Key Orientation	
N	None

GP850 OPTICAL SWITCH

Singlemode 1XN Switch Slot Card

OPTICAL SPECIFICATIONS¹

Insertion Loss ^{2,3}	On-Off, 1x2, 1x4	0.6 dB max.
	1x8	0.7 dB max.
	1x12	0.8 dB max.
	1x16	1.2 dB max.
	1x32	1.2 dB max.
	1x96	1.2 dB max.
	1x128	1.2 dB max.
Crosstalk ⁴		-50 dB max.
Back Reflection		-50 dB max.
Optical Transition Time ⁵		20 ms max.
WDL ⁶	Up to 1x32	0.3 dB max.
	Up to 1x128	0.4 dB max.
PDL ⁷		0.1 dB max.
Repeatability ⁸		0.04 dB max.
Optical Power		500 mW max.
Fiber Type		9/125 um Singlemode

1. Measured separately for each Test Wavelength at 23°C.
2. Excluding connector loss. Measured with 3-jumper method or equivalent. See TIA/EIA 526-7.
3. IL is for single band. Dual-band adds 0.3 dB.
4. For the On-Off Switch, the isolation is equal to crosstalk.
5. Optical transition time for all ports switching concurrently, not including command processing overhead.
6. WDL is measured in a +/- 20nm range.
7. PDL is for single-band. Dual-band adds 0.05 dB.
8. Repeatability is defined after 100 cycles.

SLOT CARD SPECIFICATIONS

Simplex / Duplex Switch Size	FC	SC	LC
1X8	1S / 1S	1S / 1S	1S / 1S
1X12	1S / 2S	1S / 2S	1S / 1S
1X16	1S / 2S	1S / 2S	1S / 1S
1X32	2S / 4S	2S / 4S	2S / 2S
1X96	6S / N/A	6S / N/A	4S / 6S
1X128	8S / N/A	8S / N/A	4S / 8S

MECHANICAL SPECIFICATIONS

Dimensions in mm

