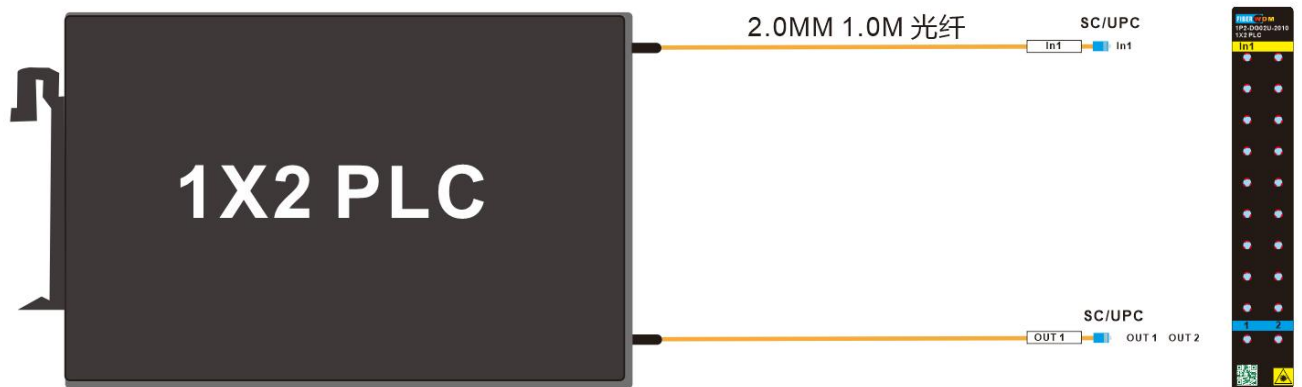


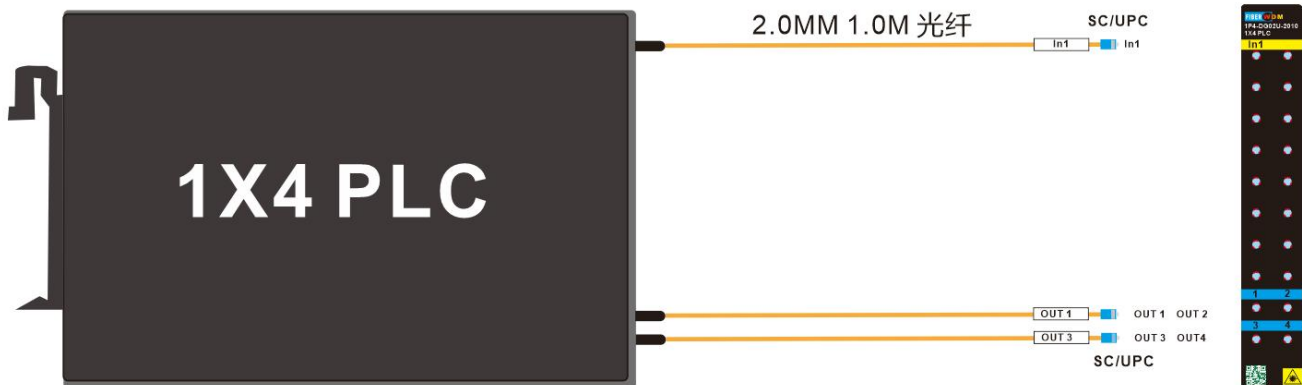
PLC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM

Fiberwdm's PLC are developed based on unique silica glass waveguide process with reliable precision aligned fiber pigtail in a miniature package, it provides a low cost light distribution solution with small form factor and high reliability. The PLC devices have high performance in terms of low insertion loss, low PDL, high return loss and excellent uniformity over a wide wavelength range from 1260nm to 1620nm and working in temperature from -40℃ to +85℃. The PLC devices have standard configurations of 1*4, 1*8, 1*16 and 1*32 configurations, as well as customized structures of 2*8, 2*16, 2*32 and 2*64

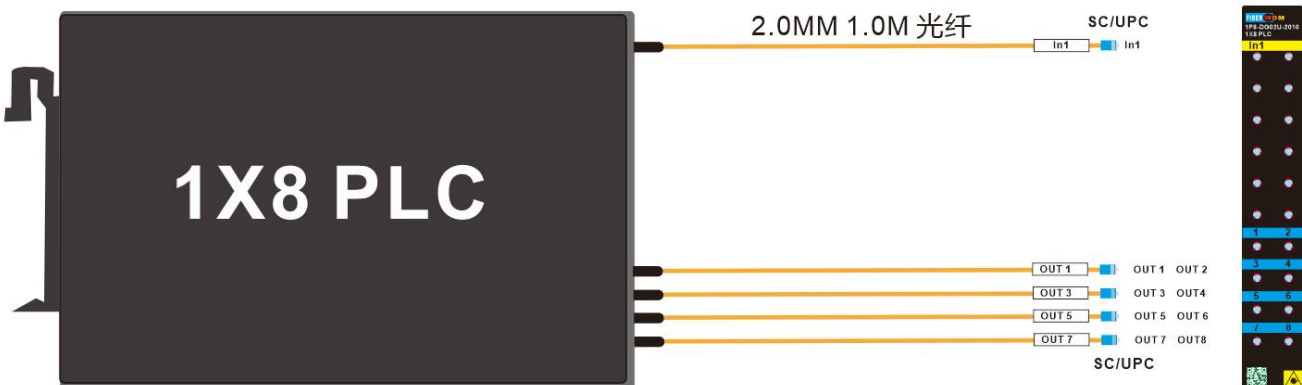
Product



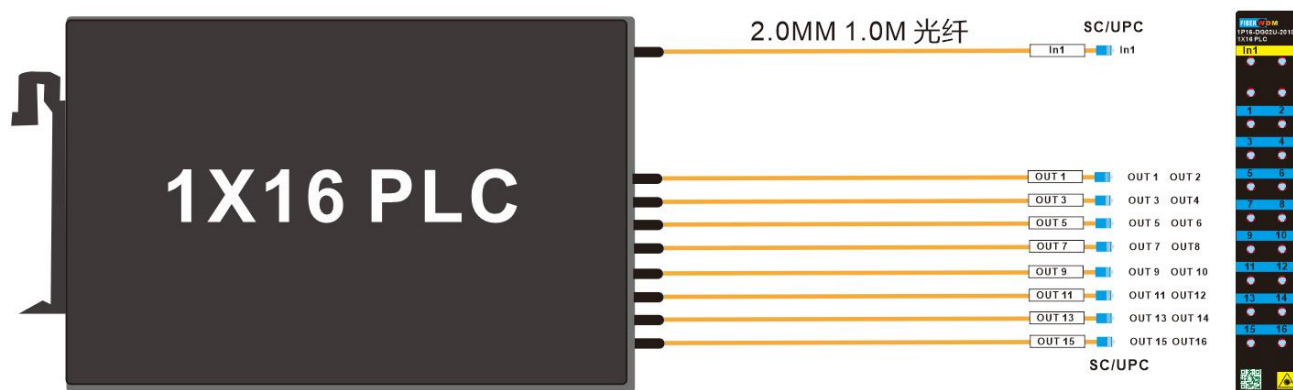
1*2 PLC SC/UPC DIN Mounting Box 120*110*20MM



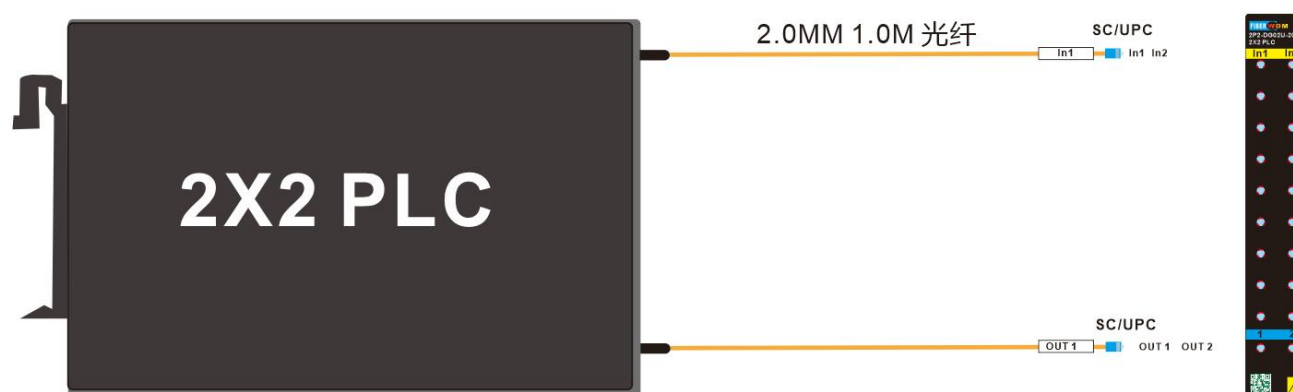
1*4 PLC SC/UPC DIN Mounting Box 120*110*20MM



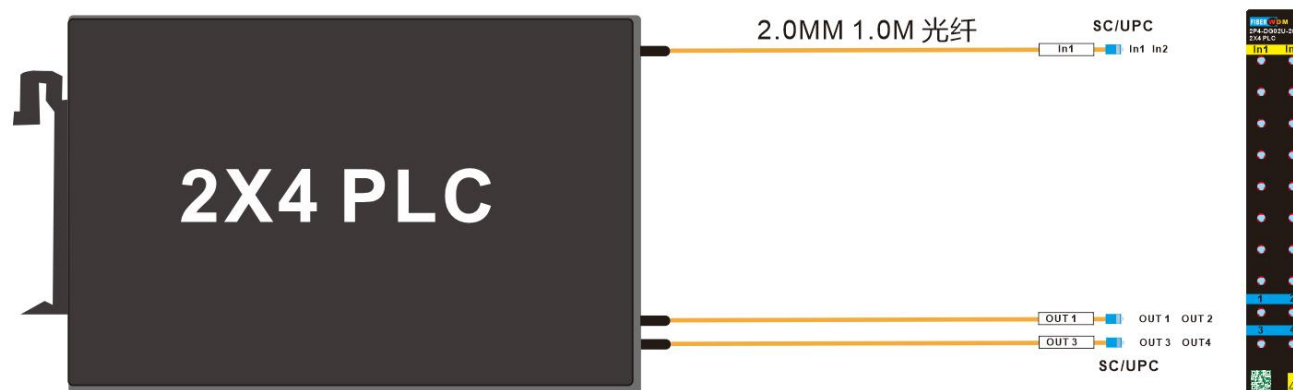
1*8 PLC SC/UPC DIN Mounting Box 120*110*20MM



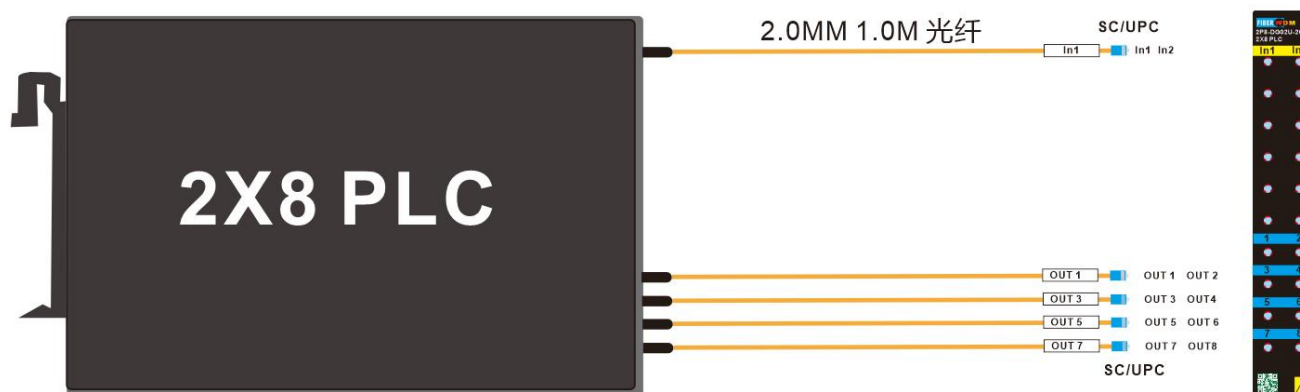
1*16 PLC SC/UPC DIN Mounting Box 120*110*20MM



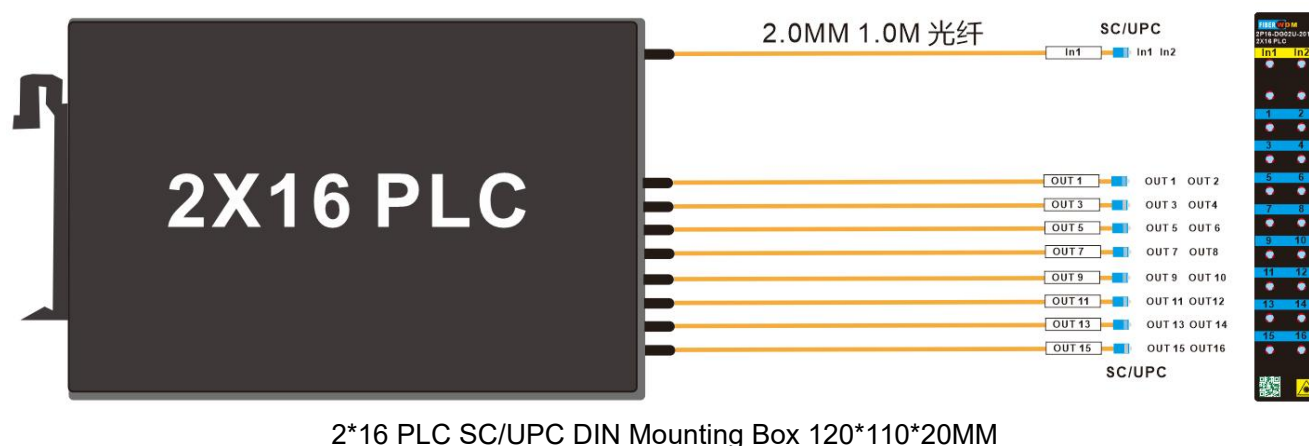
2*2 PLC SC/UPC DIN Mounting Box 120*110*20MM



2*4 PLC SC/UPC DIN Mounting Box 120*110*20MM



2*8 PLC SC/UPC DIN Mounting Box 120*110*20MM



Features:

- ◆ Compact design
- ◆ Low insertion loss and low PDL
- ◆ High reliability
- ◆ High channel counts
- ◆ Wide wavelength range
- ◆ Large operating temperature range
- ◆ Customized packaging and configuration

Applications

- ◆ FTTx Systems
- ◆ LAN, WAN and Metro Networks
- ◆ Analog/Digital Passive Optical Networks
- ◆ CATV Networks
- ◆ Other applications in fiber optic systems

Compliance

- ◆ Telcordia GR-1209-CORE
- ◆ Telcordia GR-1221-CORE

1*N PLC Specifications

Port Configuration		1×2	1×4	1×8	1×16
Fiber Type		SMF-28e or customer specified			
Operating Wavelength (nm)		1260 ~ 1650			
Insertion Loss	Typical	3.7	6.8	10.0	13.0
	Max	4.0	7.2	10.5	13.5
Loss Uniformity (dB)	Max	0.4	0.6	0.8	1.2
Return Loss (dB)	Min	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.3	0.3
Directivity (dB)	Min	55	55	55	55

Wavelength Dependent Loss(dB)	Max	0.3	0.3	0.3	0.5
Temperature Dependent Loss (-40 ~ 85°C) (dB)	Max	0.5	0.5	0.5	0.8
Connector	SC/UPC or others				
Operating Temperature (°C)	-40~85				
Storage Temperature (°C)	-40~85				
Box Packaging Size (mm)	120*110*20MM				

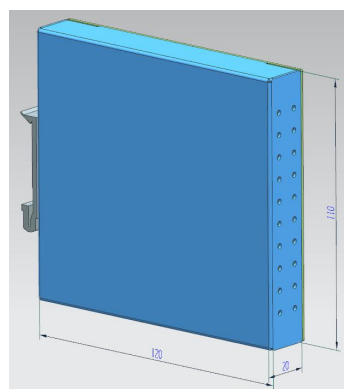
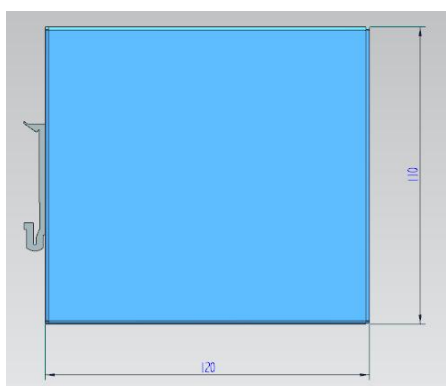
Notes: 1.Specifications without fiber connectors.
2.Room temperature test .

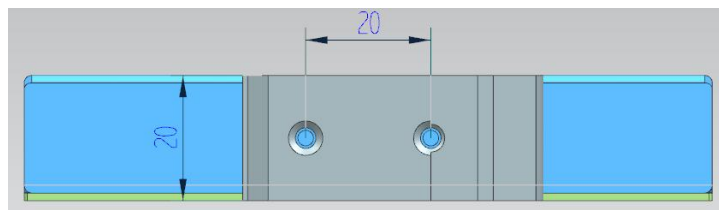
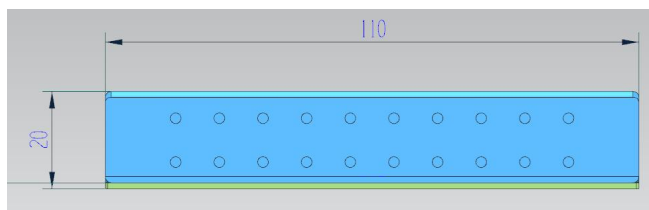
2*N PLC Specifications

Port Configuration		2×2	2×4	2×8	2×16
Fiber Type		SMF-28e or customer specified			
Operating Wavelength (nm)		1260 ~ 1650			
Insertion Loss	Typical	3.8	7.4	10.8	14.2
	Max	4.2	7.8	11.2	14.6
Loss Uniformity (dB)	Max	1.0	1.4	1.5	2.0
Return Loss (dB)	Min	50	50	50	50
Polarization Dependent Loss(dB)	Max	0.2	0.2	0.4	0.4
Directivity (dB)	Min	55	55	55	55
Wavelength Dependent Loss(dB)	Max	0.8	0.8	0.8	0.8
Temperature Dependent Loss (-40 ~ 85°C) (dB)	Max	0.5	0.5	0.5	0.8
Connector	SC/UPC or others				
Operating Temperature (°C)	-40~85				
Storage Temperature (°C)	-40~85				
Packaging Size (mm)	120*110*20MM				

Notes: 1.Specifications without fiber connectors.
2.Room temperature test .

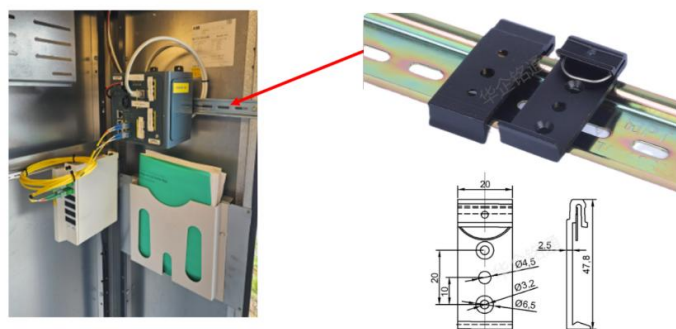
Package (mm)





Order Information

Part No.	Specifications
1P2-DG02U-2010	1x2 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM
1P4-DG02U-2010	1x4 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM



1P8-DG02U-2010	1x8 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM
1P16-DG02U-2010	1x16 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM
2P2-DG02U-2010	2x2 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM
2P4-DG02U-2010	2x4 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM
2P8-DG02U-2010	2x8 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM
2P16-DG02U-2010	2x16 PLC SC/UPC 2.0MM 1.0M Fiber DIN Mounting Box 120*110*20MM
	Others please contact us by Email: sales@fiberwdm.com