

**PROTOTYPE**

# Carrier Grade Photonic Cross Connect (PXC)

– PXC with GMPLS for Next Generation Transport Network –



## Features

- Highly Reliable Component
- Very Low Power Consumption
- Very Low Cost per Port
- Dynamic Optical Path Setup by GMPLS Protocols
- High Availability thanks to 1+1 Redundancy

## PXC Specification

GMPLS	Signaling	RSVP-TE
	Routing	OSPF-TE
	Link Management	LMP, LMP-WDM
	Switching capability	Fiber, Lambda
	Path computation	CSPF, Node/Link/SRLG disjoint
Protection	Class	1+1, LSP re-routing
Data plane	Switching fabric	3D-MEMS
	Switching capacity	128x128 or more
	Insertion loss	5dB - 12dB
	Wavelength range	1270-1340nm, 1490-1630nm
	Line monitor	Loss of light
Redundant	Control/Supervisory card, Switching fabric, Power, Fan	
Dimension	795(W:ex. Fiber mgt)x600(D)x2200(H:max)	
Power	DC-48V	