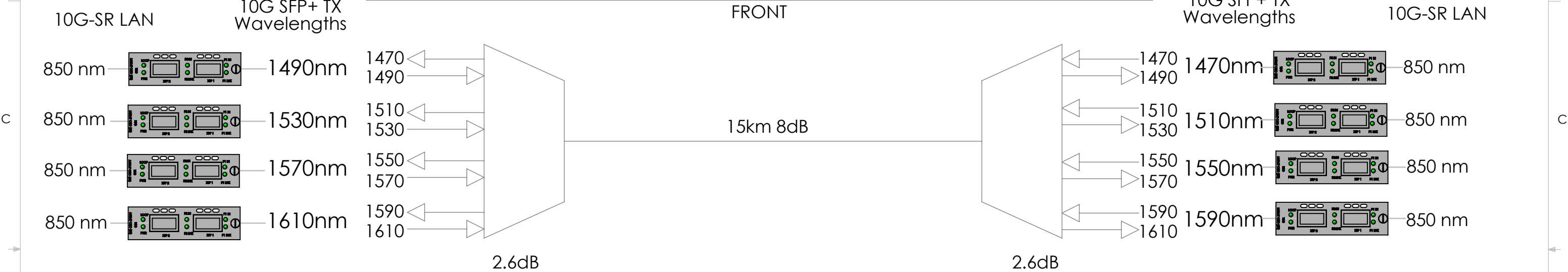
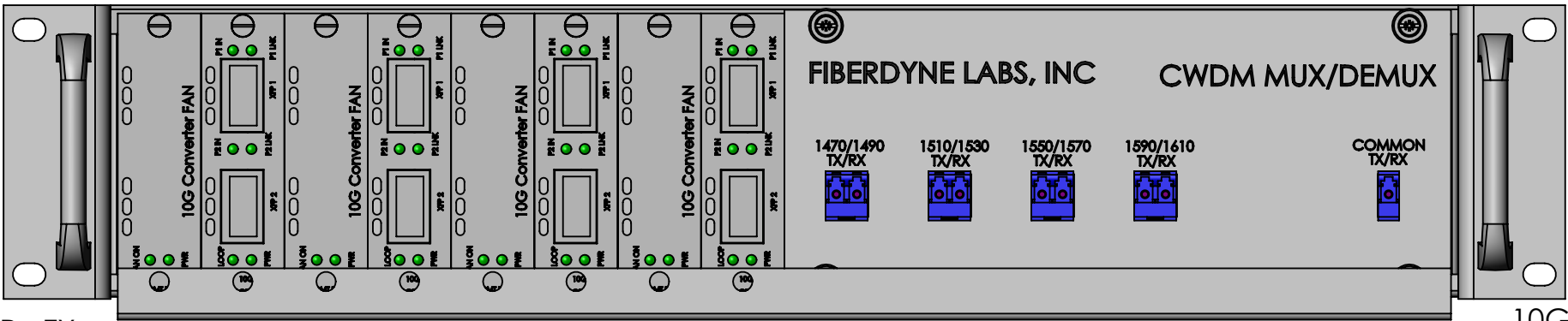


Configuration 240



6030-2-Chassis

- 1 145-FHM-6005 (2u, 16 Slot Chassis)
- 2 145-FHM-6006 (Power Supply, 90-264 AC)
- 4 145-FHM-6010 (10G OEO Cards)
- 1 FDN-CWDM-SFP-10G-1490-40K
- 1 FDN-CWDM-SFP-10G-1530-40K
- 1 FDN-CWDM-SFP-10G-1570-40K
- 1 FDN-CWDM-SFP-10G-1610-40K
- 4 FDN-SFP-10G-SR (850 nm)
- 1 FCX-3881-2 Passive CWDM, Mux/Demux, Single Fiber, Mux 1490nm, 1530nm, 1570nm, 1610nm Demux 1470nm, 1510nm, 1550nm, 1590nm

6030-1-Chassis

- 1 145-FHM-6005 (2u, 16 Slot Chassis)
- 2 145-FHM-6006 (Power Supply, 90-264 AC)
- 4 145-FHM-6010 (10G OEO Cards)
- 1 FDN-CWDM-SFP-10G-1470-40K
- 1 FDN-CWDM-SFP-10G-1510-40K
- 1 FDN-CWDM-SFP-10G-1550-40K
- 1 FDN-CWDM-SFP-10G-1590-40K
- 4 FDN-SFP-10G-SR (850 nm)
- 1 FCX-3881-1 Passive CWDM, Mux/Demux, Single Fiber, Mux 1470nm, 1510nm, 1550nm, 1590nm Demux 1490nm, 1530nm, 1570nm, 1610nm

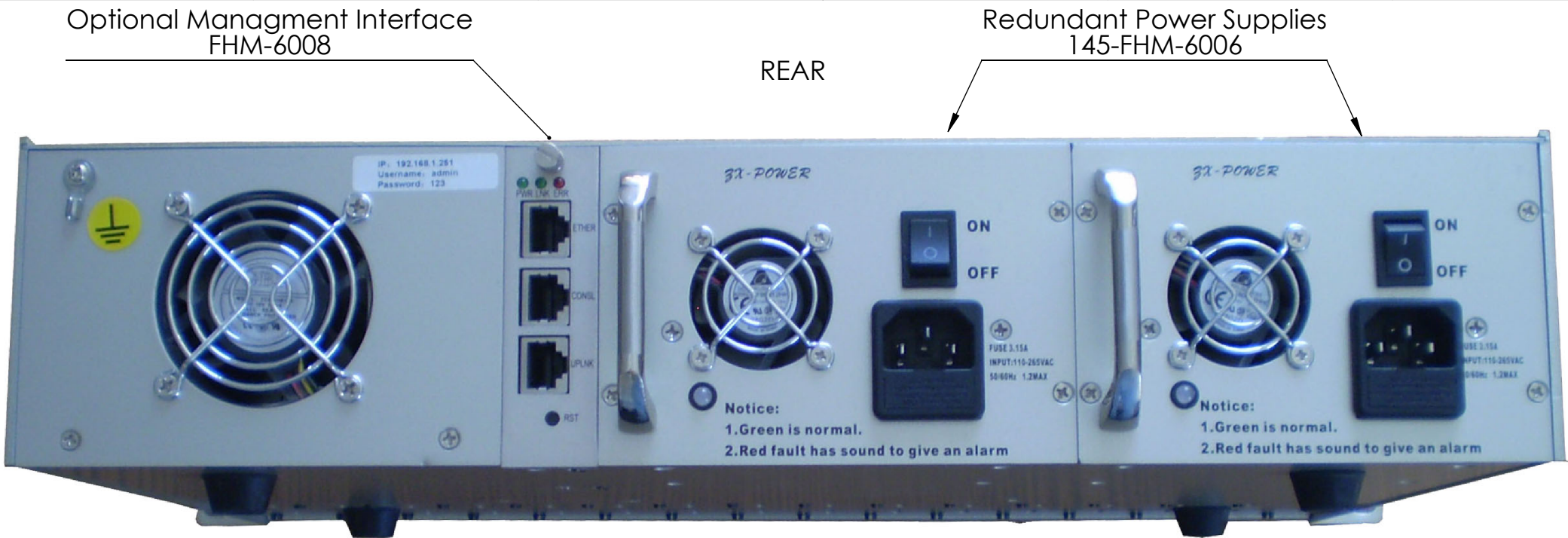
CWDM SFP Min output Power -3dBm
RX Sensitivity 16.4dBm Min

FCX-3881 Passive Mux/Demux loss 4.8 dBm per

Fiber link budget 8.2dB

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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ±.005 THREE PLACE DECIMAL ±.01	DRAWN	CFO	04/10/14	TITLE: 6030 CWDM Point to Point, 40G Multiplexer						
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			MFG APPR.									
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.									
		MATERIAL SEE NOTES	COMMENTS:			SIZE B	DWG. NO. 750-12258-001			REV		
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Description:
Fiberdyne Labs, Inc offers a 40G Unmanaged Coarse Wavelength Multiplexing (CWDM) point to point signal fiber solution with the Fiberdyne 6030 multiplexer. The Fiberdyne 6030 Multiplexer provides data transport capability for metropolitan area networks and data center networks. This document provides an understanding of the Fiberdyne 6030 Multiplexer architecture and application. It provides information to help plan and implement a Fiberdyne 6030 Multiplexer.

Overview:
The Fiberdyne 6030 Multiplexer is a high speed, high capacity, scalable fiber optic transport system that uses Coarse Wavelength Division Technology (CWDM). It is designated for metropolitan area data communications and data center communications. It has passive optical pass through which delivers true optical networking over a single optical fiber. Designed to meet the economic and technical requirements of metropolitan and data center applications, it can achieve the distance requirements in most these networks without using optical amplifiers.

Fiberdyne 6030 Multiplexer mainframe:
The Fiberdyne 6030 Multiplex mainframe is the basic unit of a Fiberdyne 6030 network. The Fiberdyne 6030 Multiplexer mainframe consists of translation cards, 10 Gbe SFP+ transceivers, dual power supplies, management card, cooling fans and an optical CWDM mux/demux converter module that converts optical signals.

- Features:**
- Support 2U Rack (4 duplex channels)
 - Support network management (Web, SNMP, Console)
 - 4 CWDM duplex channels
 - SFP+ Interface SFPs
 - Single Fiber Multiplexing
 - Support ITUT prescribed CWDM wavelength
 - Transmission rate:9.95 Gb/s - 11.35 Gb/s
 - Transparent Transport for data, less delay
 - Rack- mount 2u
 - Support hot plugging
 - State indicator light is complete
 - Easy installation
 - 3R function (balanced amplification, Timing Clock Obtaining , Shaping and regeneration),
 - good dispersion management function, data transmission ripple at low.

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		ANGULAR: MACH ±	MFG APPR.			TITLE: 6030 CWDM Point to Point, 40G Multiplexer	
		BEND ±	Q.A.				
		TWO PLACE DECIMAL ±.005	COMMENTS:			SIZE	DWG. NO.
		THREE PLACE DECIMAL ±.01	CAD FILE:			B	750-12258-001
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APPLICATION		DO NOT SCALE DRAWING					