# OPTIMUS™

## ORDERING INFORMATION

**PART NUMBER MATRIX**

| O | C | F | H | | C | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |

**15  Grade Level Box Option**

N = NONE

A = 24x36x42 Grade Level Box with split green plastic bolt down cover

B = 24x36x42 Grade Level Box with split beige plastic bolt down cover

C = 24x36x42 Grade Level Box with split green plastic cover with L-bolt

D = 24x36x42 Grade Level Box with split beige plastic cover with L-bolt

E = 24x36x42 BULK Grade Level Box with split SHIELD bolt down cover

F = 24x36x42 BULK Grade Level Box with split SHIELD cover with L-bolt

G = 30x48x36 Grade Level Box with split green plastic bolt down cover

H = 30x48x36 Grade Level Box with split beige plastic bolt down cover

J = 30x48x36 Grade Level Box with split green plastic cover with L-bolt

K = 30x48x36 Grade Level Box with split beige plastic cover with L-bolt

L = 30x48x36 BULK Grade Level Box with split SHIELD bolt down cover

M = 36x76x42 BULK Grade Level Box with split SHIELD bolt down cover

## CHANNELL

Where The Industry Connects.

# FIBER HUB SERIES

## OPTIMUS™

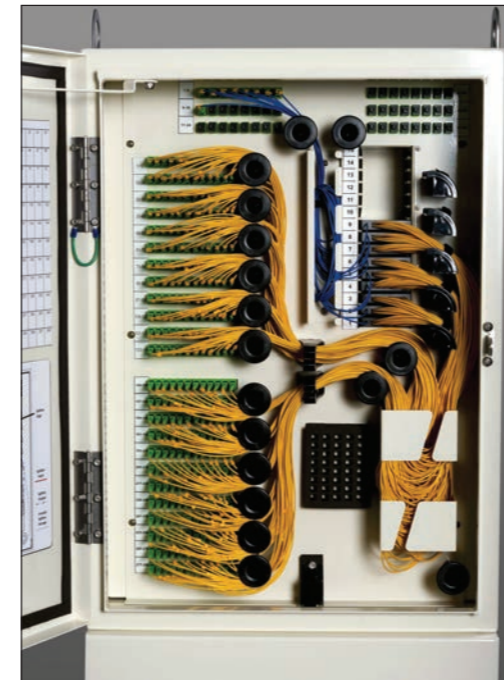### Fiber Hub Cabinet: Cross Connect Vault/Pad Mount



# Data Sheet

## DESCRIPTION

The Vault/Pad mounted Optimus Cabinet Fiber Hub is a powder coated aluminum cabinet designed for centralized split points in a PON network. The cabinet has a 12 inch skirt and is designed to fit onto BULK 24x36x36, 30x48x36, 36x76x42 vaults; or can be pad mounted. The 72, 96, 144, 288, 432 and 576 fiber termination choices allow operators to scale the vault mounted cabinet cost to their network design.

## KEY FEATURES & BENEFIT

- Fiber Bend Radius Protection provides timeless performance.
- Intuitive fiber routing provides ease of use and repeatable splitter installation.
- Easy connector access allows easy cleaning access and quick reliable connections.
- Diverse splitter, WDM/Splitter, and CWDM module choice allow deployment in all GPON, EPON, and RFOG deployments as well in both centralized split and decentralized split network configurations.
- Splitter module fits all styles of Fiber Hub enclosures; which minimizes inventory and guarantees that the technician has the right modules to complete the work order.
- Splitter Modules include 1X32, 2x32, 1X16, 2X16, Dual 1X16, 1X8, Quad 1X8, 1X4, Sextuple 1X4, 1X2, and many versions of CWDM and DWDM multiplexer modules.
- Splitter Modules exceed GR-1209 and GR-1221 optical requirements and connect with GR-326 connectors delivering superb optical performance.
- Cabinets are Pole, Wall, and H-Frame mountable giving them placement flexibility
- Cabinets are manufactured with corrosion resistant 5052 H32 high strength aluminum with welded seams and a powder coated finish will deliver decades of cabinet life.
- Powder coated, welded and gasketed Cabinets deliver NEMA 4 water tight and dust tight performance



*Optimus 288 Cross Connect Fiber Hub Cabinet mounted on top a 24x36x36 BULK vault with SHIELD cover*

**Dedicated to protecting fiber optics through design, innovation, and service.**

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## PRODUCT SPECIFICATIONS

| Distribution Counts | Cabinet Dimensions | Recommended Feed Count | Splitter Module Capacity | Recommended Cable Stub length | BULK Grade Level Box Options |
|---|---|---|---|---|---|
| 72,96,144 | 15"wx28"hx14"d | 24 Fiber (12 and 36 optional) | 8 | 50' | 24x36x36 30x48x42 36x76x42 |
| 288 | 20"wx28"hx14"d | 24 Fiber (36 and 48 optional) | 15 | 50' | 24x36x36 30x48x42 36x76x42 |
| 432,576 | 25"wx32"hx15"d | 48 Fiber (24, 36, 72 optional) | 18 | 50' | 30x48x42 36x76x42 |

*Without 12" Skirt Height*

## PRODUCT SPOTLIGHT

### OPTIMUS 288 CABINET FIBER HUB, VAULT/PAD MOUNT
### PART #: OCFH288CABAAAD2AN

**Overview**

- OCFH288CABAAAD2AN has a 24 fiber feed and 288 fiber distribution field and includes all dielectric loose tube fiber stubs (50' long) and a single 1x32 splitter module

- The cabinet has a 12 inch skirt and is designed to fit onto BULK 24x36x36, 30x48x36, 36x76x42 vaults or can be pad mounted

- All connectors are SC/APC and the splitter modules have input and output leads on them to allow a cross-connection between the fiber input and any subscriber output through the splitter for an "on demand" deployment plan

- Additional feed inputs can be used with fiber jumpers to bypass splitters for secure circuits with un-split signals

- Splitters are available in 32, 16, 8 and 4 way splits and one splitter module design fits every Fiber Hub designed (Cabinet, Sealed Closure or Pole Mount Cabinet designs)



## PART NUMBER MATRIX

O C F H C

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

**1** O = OPTIMUS
**2** C = CABINET
**3** F = FIBER
**4** H = HUB
**5** DISTRIBUTION FIBER COUNT
 072
 096
 144
 288
 432
 576
**6** C = CROSS CONNECT
**7** CONNECTOR TYPE
 A = SC/APC
 B = LC/APC
 U = SC/UPC
**8** FEED COUNT
 A = 12
 B = 24
 C = 36
 D = 48 (288, 432 and 576 only)
 E = 72 (432 and 576 only)
**9** SPLITTER INCLUDED
 N = NONE
 A = one 1x32
 B = Two 1x32
 C = Three 1x32
 D = Four 1x32
 E = Five 1x32
**10** SKIRT INCLUDED
 N = NONE
 A = 12 inch
**11** STUB LENGTH
 A= 50 ft
 B = 100 ft
 C = 200 ft
**12** CABLE TYPE
 A = Armored Loose Tube
 D = Dielectric Loose Tube
 X = Armored Ribbon
 R = Dielectric Ribbon
**13** Cabinet Color
 1 = C1 Light green
 2 = C2 Beige
 3 = C3 Dark Green
**14** Handle/Hasp Options
 A = Hex Head Entry And Padlock Hasp
 B = Hex Head Entry

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