



**Edge Computing**

**Industrial Network**

**Digital Building**

**Warehouse Facility Network**

1  
Opti-Core OM3 Distribution Cable

2  
Opticam OM3/OM4 LC connector

3  
Wyr-Grid® Overhead Tray Routing System

4  
Cat 6A cable UTP, CMP (plenum)

5  
Dielectric Double Jacketed Fiber Cable

6  
Interlocking Armored Fiber

7  
J-Pro™ Cable Support System

8  
Wireless Enclosure

9  
Overhead Distribution Racks 2U,4U, or 6U

13  
PoE Extender Kits

12  
SmartZone G5 Rack PDU

14  
Angled Field Terminable Plug

10  
Pre-Configured IDF with Access Control

Industrial Distribution Frame

17  
Small diameter patch cables (28awg)

24" x 36" Universal Network Zone System with industrial switches. Redundant power supplies, UPS, copper and fiber cabling mgmt.

WAP Enclosure

Office Area

Security Cameras

AV products

ATLONA

PoE Lighting

15  
Shielded Field Terminable Plug

Digital Signage

16  
UTP Jack Module

NOC / Equipment Monitoring Station

19  
IntraVUE™ Edge appliance

To machines/equipment

Machinery PCD013

18  
IndustrialNet™ Cat 5e, 6, & 6A 600V cable

**Color Coding Legend**

Green	Ground	Blue	Enterprise
Yellow	Fiber	Cyan	Industrial 600V

# ← BOM reference (Ref.) number on back page

PCD015-MARCH20-ENG



# Bill of Materials

Ref.	Part Number	Description
<b>Fiber, Copper Cable, and pathways</b>		
1	FODPZ12Y	50um OM4 12 Fiber Indoor Distribution Cable, Plenum (OFNP), 900um buffered fibers
2	FLCDMCXAQY	LC OM3/OM4 multimode duplex connector for 900um
3	WG12BL10	12" W x 10' L Wyr-Grid® pathway section
4	PUP6AV04BU-G	Copper Cable, Cat 6A, Vari-MaTriX, 4-pair, 23 AWG Solid, UTP, CMP, Blue, 1000ft reel
5	FOJDZ12**	OM4 fiber, Dielectric Double Jacketed (indoor/outdoor), Riser, Low Smoke Zero Halogen, Multimode, 12 fiber
5	FSJD912**	OS2 fiber, Dielectric Double Jacketed (indoor/outdoor), Riser, Low Smoke Zero Halogen, Singlemode, 12 fiber
6	FOPPZ12Y	50um OM4 12 Fiber Indoor Armored Cable, Plenum (OFCP)
7	JP2W-L20	J-Pro™ cable support system, for wall mount applications, one 1/4" (M6) mounting hole for user supplied screw, 2" max bundle capacity, nylon 6.6 with metal attachments, black, 50pc. package
<b>Network Zone, Industrial Distribution Frame, Overhead distribution</b>		
8	PZNWE12 PZNWE14	Wireless enclosure designed for traditional AC power applications. Includes UTP connectivity kit. Outside dimensions: PZNWE12 is 13.6"H x 13.5"W x 6.6"D PZNWE14 is 15.5"H x 13.5"W x 6.25"D
9	PZLRB2U	PanZone® Overhead distribution rack expands rack space above a rack or cabinet to maximize space in data centers and telecommunication rooms. The Rack can be mounted to most industry ladders or suspended from the ceiling in numerous configurations. Steel, Black, 2U, 4U, or 6U
10	ZDF48-RA	Pre-Configured industrial distribution frame enclosure ready for two access and two distribution switches. Available in several sizes and stainless steel versions.
11	Z23*	Pre-Configured Network Zone System, 24" x 36", stainless steel enclosure, for two industrial switches, includes (16) Cat 6 UTP copper patch cords and jacks, (4) MM LC fiber patch cords with (6) adaptors, backplane and cable management. Available in mild steel, stainless steel or sloped versions and various levels of integration.
12	P24G01M	SmartZone G5 Monitored Switched Per Outlet (MSPO Series) Rack PDU, 30 A Single Phase, 208V, (20) C13 & (4) C19 receptacles, NEMA L6-30P plug and measures 68.9"L x 2.05"W x 2.1" D, Black
<b>Connectors, Cord sets, and Patch Cords</b>		
13	POEXKIT1	1-port PoE Extender Kit, Includes 1 port transmitter and 1 port Receiver Box, 60 W Power Supply, No power plug
14	FPUD6X88MTG	Angled TX6A, Category 6A UTP Field Term RJ45 Plug, field termination of 4-pair twisted pair cable. Category 6A performance, compatible with 6 & 5e shielded systems.
15	FPS6X88MTG	TX6A Shielded Field Term RJ45 Plug is a simple to attach plug for field termination of 4-pair shielded twisted pair cable. Category 6A performance, compatible with 6 & 5e shielded systems.
16	CJ6X88TGBL	Category 6A, RJ45, 8-position, 8 wire, 10 Gb/s UTP Mini-com universal jack module, black
17	UTP28SP7BU	Category 6 Performance, 28 AWG UTP patch cord with TX6™ Modular Plugs on each end. Blue, 7 feet. Also available in other colors, lengths, and wire gauge size.
18	ISFCH6X04ATL-UG	Copper Cable, Industrial Category 6A 4-pair, 24/7 AWG Stranded, SF/UTP, CM/CMX, 600V, Oil Res., Teal, 1000ft reel
19	PNPIV	IntraVUE Edge is a permanent Industrial Network Documentation and Monitoring Solution.

\* Several versions of part available, not a complete part number, \*\*Additional fiber counts available.

## About this Configuration

Panduit offers a reliable end-to-end network physical layer infrastructure from the enterprise to the edge that simplifies network deployment in warehouse facility locations.

## Connecting Enterprise to Warehouse

The Micro Data Center (MDC) is the hub of a network deployment containing servers, switches and other active gear.

- Different size network/server racks and cabinets
- Patching and cable management
- Network physical security
- Identification and color coding
- Grounding and power

## Distributing Ethernet in Warehouse

Solutions and products to connect MDC, Zone enclosures, switches, controllers, and other active gear.

- Integrated Network Zone System
- Industrial Distribution Frame (IDF)
- Pathways like J-Pro™ hooks and Wyr-Grid®
- Overhead distribution racks
- Full line of copper and fiber distribution products

## End Device Connectivity

Warehouse deployments include different types of end devices such as; security/machine monitoring cameras, AV equipment, PoE lighting, remote monitoring equipment, etc.

- Field terminable RJ45 connectors
- All varieties of patch cords (Colors, lengths, wire gauge size, keyed, etc.)
- Industrial copper cable and connectivity
- PoE extender kits

For more information contact your local distributor, Panduit Sales Representative, or the Panduit Industrial Network Infrastructure team at [iai@panduit.com](mailto:iai@panduit.com).