

# FTTx GPON and Active Ethernet Products

## Order Card



## OLT Components

### OLT MXK-F Chassis



MXK-CHASSIS-F219

2U Chassis, 2 Line Card Slots, 2 Management Slots (upstream interfaces on the Management Card)

MXK-CHASSIS-F1419

14U Chassis, 14 Line Card Slots, 2 Fabric Slots, 2 Management Slots

MXK-CHASSIS-F1421

14U Chassis, 16 Line Card Slots, 2 Fabric Slots, 2 Management Slots

\* Line Cards are fully compatible among the MXK-F 2U and 14U chassis.

### MXK-F Active Ethernet and GPON Line Card Options



MXK-LC-AEG32

32 x 1GE Port MXK-F Active Ethernet Line Card, SFP+ based

MXK-LC-GP16

16 Port MXK-F GPON Line Card, SFP based

### MXK-F Fabric and Management Card Options



MXK-FC-AETG8

8 x 10GE Port MXK-F 14U Fabric Card, SFP based (Not for 219)

MXK-FC-AEFG2-AETG8

2 x 40 GE Port and 8 8 x 10GE Port MXK-F 14U Fabric Card, SFP based (Not for 219)

MXK-MC-TOP

MXK-F 14U Management Card with SyncE, 1588v2, E1/T1/BITS timing inputs, SFP based (Not for 219)

MXK-MC-AETG2-TOP

MXK-F 2U Management Card with 2X10G Ethernet ports, SFP+/SFP BASED SyncE, 1588v2, E1/T1/BITS timing inputs, SFP based (Only for 219)

Since the MXK-F chassis are designed from the ground up utilizing an ultra high capacity future proof architecture, today's investments in tomorrow's services are secure. Roadmap plans for today's MXK-F chassis include 10G DS / 2.5G US XGPON1/NGPON2 line cards, 10G DS / 10G US XGSPON/NGPON2 line cards, higher bandwidth fabric cards, and a High Availability 2U chassis system, as well as support for the growing number of zNID ONTS for indoor, in outlet box, wall mounted, desktop and outdoor installations.



**Made in USA**

Manufacturing plant in Largo, FL



JITC  
Certified

## OLT MXK Chassis



MXK-CHASSIS-319  
MXK-CHASSIS-819  
MXK-CHASSIS-823

3U Chassis, 7 Line Card Slots, 2 Uplink Card Slots  
8U Chassis, 14 Line Card Slots, 2 Uplink Card Slots  
8U Chassis, 18 Line Card Slots, 2 Uplink Card Slots

## MXK GPON Line Card Options



MXK-GPONX4-IO  
MXK-GPONX8-IO

4 Port GPON Line Card  
8 Port GPON Line Card

## MXK Active Ethernet Line Card Options



MXK-AEX20-FE/GE-CSFP

Active Ethernet Line Card, Supports 20 Customers

## Uplink Card Options for MXK Chassis



MXK-UPLINK-2X10G-8X1GE-CLK  
MXK-UPLINK-2X10G-8X1GE-TOP  
MXK-UPLINK-6X1GE-CLK

2X10G+8X1G Ethernet Ports, E1/T1/BITS timing inputs, SFP based  
2X10G+8X1G Ethernet Ports, SyncE, 1588v2, E1/T1/BITS timing inputs, SFP based  
6X1G Ethernet Ports, SFP based

## 1 Rack Unit GPON OLT Options for GPON & Active Ethernet



MXK-194-10GE  
MXK-198-10GE

4 GPON Ports & 2 10GE, 8 FE/GE Uplink Ports, -48VDC  
8 GPON Ports & 2 10GE, 8 FE/GE Uplink Ports, -48VDC

## 1 Rack Unit Active Ethernet OLT Options



MX-180-GE-LT  
MX-180-GE-LT-RJ45

24 Port GigE Subscriber Ports, 4 100/1000 & 2 10G Uplinks, -48V DC  
24 Port GigE Subscriber Ports w/RJ45, 4 100/1000 & 2 10G Uplinks, -48V DC

## 1 Rack Unit EFM-SHDSL



ETHX-3584

24 Port GigE Subscriber Ports, 4 100/1000 & 2 10G Uplinks, -48V DC

## Outdoor Enclosed VDSL2/ADSL2+



OSP-MX-160-LT-8P-AC-ACC  
OSP-MX-160-LT-8P-AC-GFC  
OSP-MX-160-LT-8P-DC-ACC-LP  
OSP-MX-160-LT-8P-DC-GFC-LP

OUTDOOR, 8P VDSL2, AC, AIR CORE CABLE, PRESSURIZED  
OUTDOOR, 8P VDSL2, AC, GEL-FILLED CABLE, VENTED.  
OUTDOOR, 8P VDSL2, LINE POWERED, DC, AIR CORE CABLE, PRESSURIZED  
OUTDOOR, 8P VDSL2, LINE POWERED, DC, GEL-FILLED CABLE, VENTED.

## Indoor Lockable Enclosure & MDU for VDSL2/ADSL2+



MX-160-LT-8P-AC  
OPX-MDU-ENCL-8

MX-160 LITE 8-PORT VDSL2, NO SPLTR, 1 FE/GE, ROHS, AC  
INDOOR MDU ENCLOSURE FOR MX-160-LT-8P

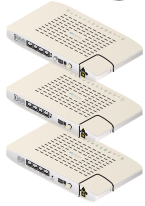
# INDOOR ONTs

## GPON



ZNID-GPON-2101P  
ZNID-GPON-2301-NA

1 GigE Port w/PoE, In outlet box ONT  
1 GigE Port, AC PWR



ZNID-GPON-2402A-NA  
ZNID-GPON-2424A-NA  
ZNID-GPON-2426A-NA  
ZNID-GPON-2427A-NA  
ZNID-GPON-2608T-NA  
ZNID-GPON-2648T-NA

2 GigE Ports, AC PWR  
4 GigE Ports, 2 POTS Ports, AC PWR  
WIFI 802.11N, 4 GigE Ports, 2 POTS Ports, AC PWR  
2 POTS, 4 GigE, WIFI (INT), RF, AC PWR  
8 GigE Ports w/PoE AC PWR  
8 GigE Ports w/PoE, 4 POTS Ports, AC PWR



ZNID-GPON-2726A1  
ZNID-GPON-2726H1  
ZNID-GPON-2727A1  
ZNID-GPON-2728A1

4 GigE Ports, 2 POTS Ports, WIFI (2x2 ,3x3), AC PWR  
4 GigE Ports, 2 POTS Ports, WIFI (2x2 ,3x3), AC PWR  
4 GigE Ports, 2 POTS Ports, WIFI (2x2 ,3x3), 1 RF Port, AC PWR  
4 GigE Ports, 2 POTS Ports, WIFI (3x3,4x4), AC PWR



ZNID-GPON-2804P-WAC  
ZNID-GPON-2804P-WDC  
ZNID-GPON-2814P-WAC  
ZNID-GPON-2814P-DAC  
ZNID-GPON-2815P-WAC  
ZNID-GPON-2815P-DAC

4 GigE Ports, AC PWR  
4 GigE Ports, DC PWR  
2 GigE Ports w/PoE, 1 POTS Ports, WIFI (2x2), AC PWR  
2 GigE Ports w/PoE, 1 POTS Ports, WIFI (2x2), AC PWR  
2 GigE Ports w/PoE, 1 POTS Ports, WIFI (2x2), 1 RF, AC PWR  
2 GigE Ports w/PoE, 1 POTS Ports, WIFI (2x2), 1 RF, AC PWR

## GPON/ACTIVE ETHERNET



ZNID-GPON/GE-9500  
ZNID-GPON/GE-9540  
ZNID-GPON/GE-9580

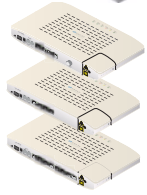
9 GigE ports, USB port  
9 GigE ports, 4 T1/E1 PortsUSB port  
9 GigE ports, 8 T1/E1 PortsUSB port

## ACTIVE ETHERNET



ZNID-GE-2101P

1 GigE Port w/PoE, In outlet box ONT



ZNID-GE-2402A-NA  
 ZNID-GE-2424A-NA  
 ZNID-GE-2426A-NA  
 ZNID-GE-2608T-NA  
 ZNID-GE-2624P-NA  
 ZNID-GE-2628T-NA  
 ZNID-GE-2648T-NA

2 GigE Ports, AC PWR  
 4 GigE Ports, 2 POTS Ports, AC PWR  
 WIFI 802.11N, 4 GigE Ports, 2POTS Ports, AC PWR  
 8 GigE Ports W/PoE AC PWR  
 2 POTS Ports, 4 GigE W/PoE, AC PWR  
 2 POTS Ports, 8 GigE W/PoE, AC PWR  
 8 GigE Ports W/PoE, 4 POTS Ports, AC PWR  
 4 GigE Ports, 2 POTS Ports, WIFI (3x3,4x4), AC PWR  
 4 GigE Ports, 2 POTS Ports, WIFI (2x2 ,3x3), AC PWR  
 4 GigE Ports, 2 POTS Ports, WIFI (2x2 ,3x3), AC PWR  
 4 GigE Ports, 2 POTS Ports, WIFI (3x3,4x4), AC PWR



ZNID-GE-2726A1  
 ZNID-GE-2726H1  
 ZNID-GE-2728A1

4 GigE Ports, 2 POTS Ports, WIFI (3x3,4x4), AC PWR  
 4 GigE Ports, 2 POTS Ports, WIFI (2x2 ,3x3), AC PWR  
 4 GigE Ports, 2 POTS Ports, WIFI (2x2 ,3x3), AC PWR  
 4 GigE Ports, 2 POTS Ports, WIFI (3x3,4x4), AC PWR



ZNID-GE-2804P-WAC  
 ZNID-GE-2804P-WDC  
 ZNID-GE-2814P-WAC  
 ZNID-GE-2814P-DAC

4 GigE Ports, AC PWR  
 4 GigE Ports, DC PWR  
 2 GigE Ports w/PoE, 1 POTS Ports, WIFI (2x2), AC PWR  
 2 GigE Ports w/PoE, 1 POTS Ports, WIFI (2x2), AC PWR

## OUTDOOR ONTs

### GPON/ACTIVE ETHERNET



ZNID-GPON-4220  
 ZNID-GPON-4224A  
 ZNID-GPON-4226  
 ZNID-GPON-9488

2 POTS, 2 GigE Ports, PWR separate  
 2 POTS, 4 GigE Ports, PWR separate  
 2 POTS, 6 GigE Ports, PWR separate  
 MDU ONT, 9 GigE Ports, 8 T1/E1 Ports, 8 POTS Ports,  
 48VDC, PWR separate

ZNID-GE-4220  
 ZNID-GE-4224A  
 ZNID-GE-4226  
 ZNID-GE-9488

2 POTS Ports, 2 GigE Ports, PWR separate  
 2 POTS Ports, 4 GigE Ports, PWR separate  
 2 POTS Ports, 6 GigE Ports, PWR separate  
 MDU ONT, 9 GigE Ports, 8 T1/E1 Ports, 8 POTS Ports,  
 48VDC, PWR separate



Bandwidth Changes Everything™

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