



Product Designation

XenOpt part numbers

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PN n0n1n2n3n4n5-n6n7n8n9-n10n11n12 (pluggables designation)

n0 - Part Number origin

X - XenOpt

n1 - Module type

2 - X2 9 - 1x9 C - CFP D - CSFP E - XENPAK F - SFF
 G - GBIC K - XPAK Q - QSFP/QSFP28 S - SFP T - SFP+/SFP28
 V - Video SFP (detailed designation in separated document)
 X - XFP

n2 - Optic type or copper type

B - BIDI

n3n4- Transceiver/Receiver wavelength

23 - TX: 1270nm, RX: 1330nm, 32 - TX: 1330nm, RX: 1270nm
 34 - TX: 1310nm, RX: 1490nm, 43 - TX: 1490nm, RX: 1310nm
 35 - TX: 1310nm, RX: 1550nm, 53 - TX: 1550nm, RX: 1310nm
 3W - TX: 1310nm, RX: 1490nm-1550nm
 45 - TX: 1490nm, RX: 1550nm, 54 - TX: 1550nm, RX: 1490nm
 19 - TX: 1510nm, RX: 1590nm, 91 - TX: 1590nm, RX: 1510nm

C - CWDM

n3n4- wavelength

lower wavelength: 27-1270nm, 29-1290nm, 31-1310nm, 33-1330nm, 35-1350nm,
 37-1370nm, 39-1390nm, 41-1410nm, 43-1430nm, 45-1450nm,
 upper wavelength: 47-1470nm, 49-1490nm, 51-1510nm, 53-1530nm, 55-1550nm,
 57-1570nm, 59-1590nm, 61-1610nm
 start wavelength (QSFP/QSFP+):
 27-1270nm, 29-1290nm, 31-1310nm, 33-1330nm, 35-1350nm

D - DWDM C-band

n3n4

17-61 - ITU grid channel C-Band (191.7 THz to 196.1 THz
 with 100GHz spacing)

TC- Tunable C-Band

L - DWDM L-band

n3n4

62-99 and 00-16 - ITU grid channel L-Band (186.2 THz to 191.6 THz
 with 100 GHz spacing)

TL- Tunable L-Band

M - Multimode (< 2km)

n3n4

85-850nm, 31-1310nm

P - Pon

n3n4

34- TX: 1310nm, RX: 1490nm
 43- TX: 1490nm, RX: 1310nm

S - Singlemode (> 5km)

n3n4

31- 1310nm, 55- 1550nm

U - Copper

n3n4

0V - Video

0F - Fire Wire

EC - Eth. 100Mb

EF - Eth. 10/100Mb

EH - Eth. 100/1000Mb

EG - Eth. 1000Mb

NO TX disable function, NO Link indicator

E1 - Eth. 1000Mb

TX disable function, Link indicator

E2 - Eth. 1000Mb

TX disable function, NO Link indicator

EM - Eth. 10/100/1000Mb

NO TX disable function, NO Link indicator

EA - Eth. 10/100/1000Mb

TX disable function, Link indicator

EB - Eth. 10/100/1000Mb

TX disable function, NO Link indicator

ED - Eth. 10Gb

n5 - Data Rate

1 - 1 Gb Eth/1Gb FC

2 - 2 Gb FC/1Gb Eth

3 - 40 Gbps

4 - 4Gb FC/2Gb FC/1Gb FC

5 - 25 Gbps

6 - CPRI/OBSAI 6,25Gb

8 - 8GbFC/4GbFC/2GbFC

9 - 100 Gbps

A - 10Gb Eth/10Gb FC

B - 16Gb Eth/16 Gb FC

C - 100Mb Eth/155Mb OC3-STM1

D - 1Gb/10Gb (ESFP+ only)

F - FC 1Gb

G - 100Mb on G ports

H - FC 1/2Gb,

L - 155-1280Mb Multirate Protocol independent

M - 100-2700Mb Multirate Protocol independent

N - 100-3200Mb Multirate Protocol independent,

S - 625Mb OC12-STM4

T - 2,5Gb OC48-STM16, GPON

U - 10Gb OC192-STM64

O - 2,5 /10 Gbps asimetric BIDI

X - 1,25/ 2,5 Gbps asimetric BIDI

n6n7 - Distance or Power budget

M1 - 100 m

M2 - 200 m

M3 - 300 m

M5 - 500 m

O2 - 2km

O5 - 5km

10 - 10Km

15 - 15Km

20 - 20Km

30 - 30km

40 - 40Km

50 - 50km

60 - 60km

70 - 70Km

80 - 80Km

A0 - 100Km

C0 - 120Km

F0 - 150Km

G0 - 160Km

I0 - 180Km

K0 - 200Km

Pon (n2=P) - total dBm

n8 - Connector Type

opto: L - LC

S - SC

T - ST

M - MU

P - MPO

Z - SMA

copper: A - Fire Wire with "A" Connector

B - Fire Wire with "B" Connector

C - CX4 H - HSSDC I - HSSDC2 R - RJ45
video: N - BNC

n9 - Digital diagnostics & Temperature range

N - without DDMI Y - with DDMI 0 - +70 C (Standard)
D - without DDMI E - with DDMI -20 - +85 C (Extended)
L - without DDMI M - with DDMI -40 - +85 C (Military)

n10 - Reserved

n11 - Reserved

n12 - Reserved

PN n0n1n2n3n4n5n6-n7n8 (switch designation)

n0 - Part Number origin

X - XenOpt

n1 - Device type

S - Switch

n2n3 - Number of ports

00 - 99

n4 - Port data rate (all ports)

G - 1 Gb

H - 1 Gb/10 Gb

D - 10 Gb

E - 10 Gb/40 Gb

Q - 40 Gb

F - 10 Gb/100 Gb

C - 100 Gb

n5 - Port type

S - all SFP or QSFP

U - all UTP

V - mixed UTP/SFP

n6 - Number of power supplies, AC/DC and type of fan

S - Single power supply, AC, front to back fan

T - Single power supply, AC, back to front fan

U - Single power supply, DC, front to back fan

V - Single power supply, DC, back to front fan

D - Double power supply, 2xAC, front to back fan

E - Double power supply, 2xAC, back to front fan

F - Double power supply, 2xDC, front to back fan

G - Double power supply, 2xDC, back to front fan

H - Double power supply, AC,DC, front to back fan

I - Double power supply, AC,DC, back to front fan

n7 - Other features

0 - 9, A - Z

n8 - Other features

0 - 9, A - Z

PN n0n1n2-n3n4n5n6-n7n8 (Network Card Designation)

n0 - Part Number origin

X - XenOpt

n1,n2 - Card type

E0 - Ethernet 100 Mb

E1 - Ethernet 1Gb

EA - Ethernet 10 Gb

EQ - Ethernet 40 Gb

F8 - Fibre Channel 8 Gb

FG - Fibre Channel 16 Gb

IQ - Infiniband QDR

IF - Infiniband FDR

n3 - Port type

4 - CX4

L - Long range LX (1350nM)

P - Pluggables (sfp not included)

S - Short range SX (850nM) U - UTP

Z - Extra long range ZX (1550nM)

n4 - Number of ports

1 - One port 2 - Two ports 4 - Quad ports

n5 - Interface

1 - PCIe x1 4 - PCIe x4 8 - PCIe x8 G - PCIe x16

P - PCI

n6 - Special features

0 - meaningless

1 - Chipset 82599ES

n7 - Reserved

n8 - Reserved

PN n0n1n2n3n4n5 (programmer designation)

n0 - Part Number origin

X - XenOpt

n1 - Device Type

P - programmer

n2 - Source Module Form

T - SFP+, X - XFP

n3 - Not defined (meaningless)

0

n4 - Reserved

n5 - Reserved

PN n0n1n2n3-n4n5 (converter designation)

n0 - Part Number origin

X - XenOpt

n1 - Device Type

K - converter

n2 - Source Module Form

2 - X2

n3 - Target Module Form

T - SFP+

E - XENPAK

n3 - Target Module Form

T - SFP+

M - MCA

n3 - Connector

S - SC L - LC

n4 - Reserved

n5 - Reserved

PN n0n1-n2n3n4n5n6n7n8n9-n10 (splitter designation)

n0 - Part Number origin

X - XenOpt

n1 - Device type

S - Splitter

n2n3 - Input/output channel

12 - 1x2

14 - 1x4

18 - 1x8

1A - 1x16

1B - 1x32

1C - 1x64

1D - 1x128

22 - 2x2

24 - 2x4

28 - 2x8

2A - 2x16

2B - 2x32

2C - 2x64

2D - 2x128

n4 - Module type

B - Box type (ABS), Blockless

L - LGX box

9 - 19" box

G - Glass tube

n5 - Cable type

B - Bare fibre (250 µm)

T - Tube 900 µm

2 - 2 mm cable

F - Ribbon type

n6n7 - Fibre Length

01 - 1 m

Cx - Custom length

n8 - Connector type

0 - none

A - LC/APC

L - LC

S - SC

n9 - Special function (optional)

0 - Meaningless

n10 - Reserved

PN n0n1n2n3n4n5n6 (XenOpt accessories designation)

n0 - Part Number origin

X - XenOpt

n1 - Device type

A - Accessories

n2 - Accessory type

P - Power supply

F - Fan

n3 - Air flow

F - Front to back

B - Back to front

n4 - Current type

A - AC

D - DC

n5 - 0 (Reserved for future use)

n6 - 0 (Reserved for future use)

PN n0n1n2n3n4n5-n6n7n8n9-n10n11 (VOA designation)

n0 - Part Number origin

X - XenOpt

n1 - Device type

V - VOA

n2 - Functional type (Module form)

S-SFP

n3n4 - Type

00 (nonstandard type)

11 (standard type)

n5 - Operating Wavelength

C - C Band

L - L Band

n6 - Attenuation Type

B - Bright

D - Dark

n7 - Driving Voltage

6 - 6,5 V

F - 15 V

n8 - Connector Type

L - LC

n9 - Reserved

n10 - Reserved

n11 - Reserved

PN n0n1n2n3n4n5-n6n7n8n9-n10n11 (video sfp designation)

n0 - Part Number origin

X - XenOpt

n1 - Module form

V-Video SFP

n2 - Functional type

0 - one fiber SM 1x TX

n3n4- Transceiver/Receiver wavelength

30- TX: 1310nm, 50- TX: 1550nm

1 - one fiber SM 1x RX

n3n4- Transceiver/Receiver wavelength

10- RX: 1260-1620nm,

2 - one fiber SM 2x TX

n3n4- Transceiver/Receiver wavelength

35- TX1: 1310nm, TX2: 1550nm

3 - one fiber SM 2x RX

n3n4- Transceiver/Receiver wavelength

35- RX1: 1310nm, RX2: 1550nm

4 - one fiber SM 1x TX, 1x RX

n3n4- Transceiver/Receiver wavelength

35- TX: 1310nm, RX: 1550nm

53- TX: 1550nm, RX: 1310nm

5 - one fiber SM 1x TX, 1x RX MSA

n3n4- Transceiver/Receiver wavelength

35- TX: 1310nm, RX: 1550nm

53- TX: 1550nm, RX: 1310nm

6 - two fiber SM 2x TX

n3n4- Transceiver/Receiver wavelength

33- TX1: 1310nm, TX2: 1310nm

55- TX1: 1550nm, TX2: 1550nm

7 - two fiber SM 2x RX

n3n4- Transceiver/Receiver wavelength

11- RX1: 1260-1620nm, RX2: 1260-1620nm

8 - two fiber SM 1x TX, 1x RX

n3n4- Transceiver/Receiver wavelength

31- TX: 1310nm, RX: 1260-1620nm

51- TX: 1550nm, RX: 1260-1620nm

9 - two fiber SM 1x TX, 1x RX MSA

n3n4- Transceiver/Receiver wavelength

31- TX: 1310nm, RX: 1260-1620nm

51- TX: 1550nm, RX: 1260-1620nm

A - CWDM one fiber 1x TX

n3n4- wavelength

lower w.: 27-1270nm, 29-1290nm, 31-1310nm, 33-1330nm, 35-1350nm,

37-1370nm, 39-1390nm, 41-1410nm, 43-1430nm, 45-1450nm,

upper w.: 47-1470nm, 49-1490nm, 51-1510nm, 53-1530nm, 55-1550nm,

57-1570nm, 59-1590nm, 61-1610nm

B - CWDM two fiber 1x TX, 1x RX

n3n4- wavelength

lower w.: 27-1270nm, 29-1290nm, 31-1310nm, 33-1330nm, 35-1350nm,

37-1370nm, 39-1390nm, 41-1410nm, 43-1430nm, 45-1450nm,

upper w.: 47-1470nm, 49-1490nm, 51-1510nm, 53-1530nm, 55-1550nm,

57-1570nm, 59-1590nm, 61-1610nm

C - CWDM two fiber 2x TX

n3- TX1 wavelength

lower w.: 0-1270nm, 1-1290nm, 2-1310nm, 3-1330nm, 4-1350nm,

5-1370nm, 6-1390nm, 7-1410nm, 8-1430nm, 9-1450nm,

upper w.: A-1470nm, B-1490nm, C-1510nm, D-1530nm, E-1550nm,

F-1570nm, G-1590nm, H-1610nm

n4- TX2 wavelength

lower w.: 0-1270nm, 1-1290nm, 2-1310nm, 3-1330nm, 4-1350nm,

5-1370nm, 6-1390nm, 7-1410nm, 8-1430nm, 9-1450nm,

upper w.: A-1470nm, B-1490nm, C-1510nm, D-1530nm, E-1550nm,

F-1570nm, G-1590nm, H-1610nm

D - CWDM two fiber 1x TX, 1x RX MSA

n3n4- wavelength

lower w.: 27-1270nm, 29-1290nm, 31-1310nm, 33-1330nm, 35-1350nm,

37-1370nm, 39-1390nm, 41-1410nm, 43-1430nm, 45-1450nm,

upper w.: 47-1470nm, 49-1490nm, 51-1510nm, 53-1530nm, 55-1550nm,

57-1570nm, 59-1590nm, 61-1610nm

M - one fiber MM 1x TX

n3n4- Transceiver/Receiver wavelength

80- TX: 850nm,

N - one fiber MM 1x RX
 n3n4- Transceiver/Receiver wavelength
 80- RX: 850nm,

O - two fiber MM 2x TX
 n3n4- Transceiver/Receiver wavelength
 88- TX1: 850nm, TX2: 850nm

P - two fiber MM 2x RX
 n3n4- Transceiver/Receiver wavelength
 88- RX1: 850nm, RX2: 850nm

R - two fiber MM 1x TX, 1x RX
 n3n4- Transceiver/Receiver wavelength
 88- TX: 850nm, RX: 850nm

S - two fiber MM 1x TX, 1x RX MSA
 n3n4- Transceiver/Receiver wavelength
 88- TX: 850nm, RX: 850nm

n5 - Data Rate

1 - 50-1500Mb/s 3 - 50-3000Mb/s

n6n7 - Distance or Power budget

00- n.a.

M1 - 100m, M2 - 200m M3 - 300m, M5 - 500m,

02 - 2Km, 05 - 5km 10 - 10Km, 15 - 15Km

20 - 20Km, 40 - 40Km, 50 - 50km 60 - 60km

70 - 70Km 80 - 80Km, A0 - 100Km, C0 - 120Km

F0 - 150Km G0 - 160Km, I0 - 180Km, K0 - 200Km

n8 - Connector Type

L - LC, M - MU, N- BNC, R - RJ45, S - SC, T - ST, Z- SMA

n9 - Digital diagnostic & Temperature range

N - without DDMI, Y - with DDMI 0 - +70 C (Standard)

D - without DDMI, E - with DDMI -20 - +85 C (Extended)

L - without DDMI, M - with DDMI -40 - +85 C (Military)

n10 - Reserved

n11 - Reserved

To find out more, please contact
XenOpt or one of our partners