









Intelligent OptiX Network Portfolio




Huawei OptiXtrans Series

	Huawei OptiXtrans E9624	Huawei OptiXtrans E9612
Appearance		
Dimensions (H x W x D)	747.2 mm x 442 mm x 295 mm	347.2 mm x 442 mm x 295 mm
Applicable cabinet	19-inch cabinet ETSI 300/600 cabinets, such as A63B	19-inch cabinet ETSI 300/600 cabinets, such as A63B
Max. number of slots for service boards	1:1: 12 (full width) or 24 (half width) 1:3: 10 (full width) or 20 (half width)	13
Capability	OTN: 4.8 Tbit/s or 10 Tbit/s PKT: 4.8 Tbit/s or 4 Tbit/s SDH: 1.92 Tbit/s or 1.6 Tbit/s (higher order), 80 Gbit/s (lower order)	N/A
Optical switching capability	1- to 20-degree ROADM	1- to 20-degree ROADM
Maximum number of wavelengths	Fixed grid: 120 wavelengths @50 GHz Flex grid: The maximum number of wavelengths is related to the width of the flex channel	Fixed grid: 120 wavelengths @50 GHz Flex grid: The maximum number of wavelengths is related to the width of the flex channel
Service types	SDH/SONET, PDH, OTN, OSU, Ethernet, SAN, Video, and so on	SDH/SONET, OTN, Ethernet, SAN, Video, and so on
Line rate	2.5 Gbit/s, 10 Gbit/s, 25 Gbit/s, 100 Gbit/s, 200 Gbit/s, 400 Gbit/s, 600 Gbit/s, 800 Gbit/s	10 Gbit/s, 100 Gbit/s, 200 Gbit/s, 400 Gbit/s, 600 Gbit/s, 800 Gbit/s
Pluggable optical/electrical module	Optical module: eSFP, SFP+, TSFP+, CFP, CSFP, CFP2, QSFP28, SFP28, TSFP28, QSFP+, QSFP-DD Electrical module: GE SFP	Optical module: eSFP, SFP+, TSFP+, CFP, CSFP, CFP2, QSFP28, SFP 28, QSFP+, QSFP-DD Electrical module: GE SFP
Power supply	DC: -48 V DC to -60 V DC	DC: -48 V DC to -60 V DC

	Huawei OptiXtrans E9605	Huawei OptiXtrans E9624X
Appearance		
Dimensions (H x W x D)	177 mm x 442 mm x 295 mm	825 mm x 442 mm x 295 mm
Applicable cabinet	19-inch cabinet ETSI 300/600 cabinets, such as A63B	19-inch cabinet ETSI 300/600 cabinets, such as A63B
Max. number of slots for service boards	5	12 (full width) or 24 (half width)
Capability	N/A	OTN: 1.8 Tbit/s SDH: 480 Gbit/s (higher order), 40 Gbit/s (lower order)
Optical switching capability	1- to 20-degree ROADM	1- to 20-degree ROADM
Maximum number of wavelengths	Fixed grid: 120 wavelengths @50 GHz Flex grid: The maximum number of wavelengths is related to the width of the flex channel	Fixed grid: 120 wavelengths @50 GHz Flex grid: The maximum number of wavelengths is related to the width of the flex channel
Service types	SDH/SONET, OTN, Ethernet, SAN, Video, and so on	SDH/SONET, PDH, OTN, OSU, Ethernet, SAN, Video, and so on
Line rate	10 Gbit/s, 100 Gbit/s, 200 Gbit/s, 400 Gbit/s, 600 Gbit/s, 800 Gbit/s	OTN+TDM: 2.5 Gbit/s, 10 Gbit/s Ponder: 10 Gbit/s, 100 Gbit/s, 200 Gbit/s, 400 Gbit/s
Pluggable optical/electrical module	Optical module: eSFP, SFP+, TSFP+, CFP, CSFP, CFP2, QSFP28, SFP 28, QSFP+, QSFP-DD Electrical module: GE SFP	Optical module: eSFP, SFP+, TSFP+, CFP, CFP2, QSFP28, SFP28, QSFP+, QSFP-DD Electrical module: GE SFP
Power supply	AC: 100V AC to 120V AC (50/60Hz), 200V AC to 240V AC (50/60Hz) DC: -48V DC to -60V DC, HVDC: 240 V	DC: -48 V DC to -60 V DC

		Huawei OptiXtrans E6616	Huawei OptiXtrans E6608
Appearance			
Dimensions (H x W x D)		221.5 mm x 442 mm x 220 mm	88.1 mm x 442 mm x 220 mm
Applicable cabinet		19-inch cabinet, ETSI 300 cabinets, such as A63B and N63B	19-inch cabinet, ETSI 300 cabinets, such as A63B and N63B
Max. number of slots for service boards		DC chassis: 14 AC chassis: 12	DC chassis: 6 AC chassis: 4
Electrical switching capacity	OTN	K5XCH: 2.4 Tbit/s K5UXCME: 920 Gbit/s	K2UXCLE: 800 Gbit/s
	Packet	K5UXCME: 920 Gbit/s	400 Gbit/s
	TDM	K5UXCME: Higher order: 160 Gbit/s; lower order: 20 Gbit/s K5XCS: Higher order: 160 Gbit/s; lower order: 20 Gbit/s	K2UXCLE: Higher order: 60 Gbit/s; lower order: 10 Gbit/s
Optical switching capability		1- to 9-degree ROADM	1- to 9-degree ROADM
Maximum number of wavelengths		Fixed grid: 80 wavelengths @50 GHz	Fixed grid: 80 wavelengths @50 GHz
Service types		SDH/SONET, PDH, OTN, OSU, Ethernet, PCM, CPRI, SAN, Video, and so on	SDH/SONET, PDH, OTN, OSU, Ethernet, PCM, CPRI, SAN, Video, and so on
Line rate		2.5 Gbit/s, 10 Gbit/s, 25 Gbit/s, 100 Gbit/s, 200 Gbit/s	2.5 Gbit/s, 10 Gbit/s, 25 Gbit/s, 100 Gbit/s, 200 Gbit/s
Pluggable optical/electrical module		Optical module: SFP/eSFP, XFP, SFP+, QSFP+, TXFP, CFP, CFP2, QSFP28, SFP28, TSFP28 Electrical module: GE SFP	Optical module: SFP/eSFP, XFP, SFP+, QSFP+, TXFP, CFP, CFP2, QSFP28, SFP28, TSFP28 Electrical module: GE SFP
Power supply		AC: 100 V AC to 240 V AC DC: -48 V DC to -60 V DC	AC: 100 V AC to 240V AC DC: -48 V DC to -60V DC



		Huawei OptiXtrans E6608T
Appearance		
Dimensions (H x W x D)		88.1 mm x 442 mm x 220 mm
Applicable cabinet		19-inch cabinet, ETSI 300 cabinets, such as A63B and N63B
Max. number of slots for service boards		DC chassis: 7 AC chassis: 5
Capability		N/A
Optical switching capability		1- to 9-degree ROADM
Maximum number of wavelengths		Fixed grid: 80 wavelengths @50 GHz
Service types		SDH/SONET, OTN, Ethernet, CPRI, SAN, Video, and so on
Line rate		2.5 Gbit/s, 10 Gbit/s, 100 Gbit/s, 200 Gbit/s
Pluggable optical/electrical module		Optical module: SFP/eSFP, XFP, SFP+, QSFP+, QSFP28, SFP28, CFP, CFP2 Electrical module: GE SFP
Power supply		AC: 100 V AC to 240 V AC DC: -48 V DC to -60 V DC

Huawei OptiXtrans DC908

Appearance	
Dimensions (H x W x D)	86.1 mm x 442 mm x 500 mm
Required cabinet type	19-inch cabinet ETSI cabinet (600/800/1000/1200 mm depth)
Max. number of slots for service boards	8
Capability	12.8 Tbit/s
Optical-layer cross-connect capacity	N/A
Maximum number of wavelengths	Fixed grid: 120 wavelengths @ 50 GHz
Supported service types	10GE, 25GE, 40GE, 100GE, 400GE, OTU4, OTU2, OTU2e, STM-64, OC-192, FC100, FC200, FC400, FC800, FICON8G, FC1200, FC1600, FC3200
Line rate	100 Gbit/s, 200 Gbit/s, 400 Gbit/s, 600 Gbit/s, 800 Gbit/s
Supported pluggable optical modules	QSFP28, QSFP+, QSFP-DD, SFP+, SFP28
Power supply	AC: 100V AC to 120V AC (50/60Hz) 200V AC to 240V AC (50/60Hz) DC: -48VDC to -60VDC HVDC: 240 V

Huawei OptiXstar CPE Series

Huawei OptiXstar A810 A

DC	
AC	
Dimensions (H x W x D)	half-width: 44 mm x 250 mm x 180 mm
Service model	EoS, EoSoO, EoO
Client-side capability	E1-1~E1-4: 4*E1 FE/GE1~FE/GE2: 2*GE/FE (electrical ports) TX1/RX1~TX2/RX2: 2*GE/FE (Optical ports) TX1/RX1~TX2/RX2: 2*GE/FE (electrical ports)
Client-side capability	2*OTU1/2*STM-1/2*STM-4/2*STM-16
Maximum upstream bandwidth	2.5 Gbit/s
Protection type	OTN: ODU0 SNCP SDH: VC4 SNCP, VC3 SNCP, VC12 SNCP, 1+1 linear MSP EOS: LCAS, LAG

Huawei OptiXsense Series
Huawei OptiXsense EF3000

Appearance		
Model	OptiXsense EF3000-A50	
Dimensions (H x W x D)	88.1 mm x 442 mm x 220 mm (excluding mounting ears)	
Weight (empty chassis)	5.6 kg	
Typical power consumption of the entire device	95 W	
Installation cabinet	19-inch cabinet	
Number of channels	2	
Maximum single-channel measurement distance	50 km	
Event identification time of a single port	≤ 60s	
False positive rate	< 5%	
False negative rate	< 1%	
Positioning accuracy	±10 m	
Sampling precision	1.276 m	
Frequency response	0 – 1000 Hz	
Management interface	iMaster NCE-T, Web LCT	
Standard working voltage	220 V AC/110 V AC	
Working voltage range	100 V AC to 240 V AC	
Rated current	2.5 A	
Device running environment	Chassis temperature	Long term: -5°C to +45°C Short term ^a : -10°C to +50°C
	Chassis relative humidity	Long term: 5% to 85% Short term: 5% to 95%

a: A short term refers to a maximum of 96 consecutive operating hours and a total operating time of no more than 15 days in a year.

Huawei OptiXaccess OLT Series



EA5800-X17

17 service slots

Maximum control board switching capacity:
MPLBE: 8 Tbit/s

User-Side Port Type: GPON/XG(S)-PON/GE/10GE



EA5800-X7

7 service slots

Maximum control board switching capacity:
MPLBE: 8 Tbit/s

User-Side Port Type: GPON/XG(S)-PON/GE/10GE



EA5800-X15

15 service slots

Maximum control board switching capacity:
MPLBE: 8 Tbit/s

User-Side Port Type: GPON/XG(S)-PON/GE/10GE



EA5800-X2

2 service slots

Maximum control board switching capacity:
248 Gbit/s

User-Side Port Type: GPON/XG(S)-PON/GE/10GE



EA5801S-GP16-H1

Outdoor blade OLT

User-Side Port: 16*GPON



EA5801E-GP16

Box-shaped OLT

User-Side Port: 16*GPON



EA5801E-GP08-H2

Box-shaped OLT

User-Side Port: 8*GPON

Huawei OptiXstar ONU Series



P602E

Network-Side Port: GPON

User-Side Port: 4GE



P612E

Network-Side Port: GPON

User-Side Port: 4GE(PoE)



P622E

Network-Side Port: Dual GPON

User-Side Port: 4GE



P802E

Network-Side Port: XGS-PON

User-Side Port: 4GE



P670E

Network-Side Port: GPON

User-Side Port: 1GE + 1POTS



P603E-E

Network-Side Port: 2GPON

User-Side Port: 8GE



P613E-2

Network-Side Port: 2GPON

User-Side Port: 8GE
GE5-GE8 support PoE/PoE+



P613E-E

Network-Side Port: 2GPON

User-Side Port: 8GE
Support PoE/PoE+



P803E-E

Network-Side Port: 2XGS-PON

User-Side Port: 8GE



P812E

Network-Side Port: XGS-PON

User-Side Port: 4GE + 2.5GE
Support PoE/PoE+



P813E-E

Network-Side Port: 2XGS-PON

User-Side Port: 8GE
Support PoE/PoE+



S892E

Network-Side Port: XGS-PON/
2*XGS-PON

User-Side Port: 4*10GE(PoE++)



T873E

Network-Side Port:
GPON/2GPON/XGS-PON

User-Side Port: 2GE(PoE++) +
2GE + 4GE(PoE+)



S800E

Network-Side Port: XGS-PON

User-Side Port:
GE/2.5GE/5GE/10GE



S890H

Network-Side Port:
1*XGS-PON(Hybrid SC)

User-Side Port: 10GE(PoE++)

Huawei OptiXstar ONU Series

P871E



Network-Side Port: XGS-PON

User-Side Port: 2GE

Power supply: AC

P871E-H



Network-Side Port: XGS-PON

User-Side Port: 2GE

Power supply: PoF

P871E-G



Network-Side Port: GPON

User-Side Port: 2GE

Power supply: AC

T823E-X



Network-Side Port: 2XGS-PON

User-Side Port: 8*GE(PoE++) + 2*RS485/RS232 + 1*DI + 1*DO

T823E-G



Network-Side Port: 2GPON

User-Side Port: 8*GE(PoE++) + 2*RS485/RS232 + 1*DI + 1*DO

T823E-D



Network-Side Port: 2GPON/ XGS-PON

User-Side Port: 8*GE(PoE++) + 2*RS485 + 2*RS232 + 2*DI + 1*DO + 1*USB 2.0

P805E-X



Network-Side Port: 2XGS-PON

User-Side Port: 24GE + 2*10GE (optical)

P815E-X



Network-Side Port: 2XGS-PON

User-Side Port: 24GE + 2*10GE (optical) + 2*10GE(electrical) / PoE++

P805E-G



Network-Side Port: 2GPON

User-Side Port: 24GE + 2*10GE (optical)

P815E-G



Network-Side Port: 2GPON

User-Side Port: 24GE + 2*10GE (optical) + 2*10GE(electrical) / PoE++

Huawei OptiXstar ONT Series

EG8247H5



Network-Side Port: GPON

User-Side Port: POTS + 4GE + 1RF + 2.4G Wi-Fi + 1USB

EG8245H5



Network-Side Port: GPON

User-Side Port: 2POTS + 4GE + 2.4G Wi-Fi + 1USB

EG8145V5



Network-Side Port: GPON

User-Side Port: 1POTS + 4GE + 2.4G&5G Wi-Fi + 1USB

EN8145X6



Network-Side Port: XG-PON

User-Side Port: 1POTS + 4GE + 2.4G&5G Wi-Fi 6

EG8141H5



Network-Side Port: GPON

User-Side Port: 4GE + 2.4G 2*2 Wi-Fi

EG8245W5-6T



Network-Side Port: GPON

User-Side Port: 2POTS + 4GE + 2.4G&5G Wi-Fi + 1USB

EG8145V5-V2



Network-Side Port: GPON

User-Side Port: 1POTS + 4GE + 2.4G&5G Wi-Fi + 1USB

EG8145X6



Network-Side Port: GPON

User-Side Port: 1POTS + 4GE + 2.4G&5G Wi-Fi 6

EG8147X6



Network-Side Port: GPON

User-Side Port: 1POTS + 1RF + 4GE + 2.4G&5G Wi-Fi 6

W626E



Network-Side Port: GPON

User-Side Port: 1POTS + 4GE + 2.4G&5G Wi-Fi 6 + 1USB

W826E



Network-Side Port: XGS-PON

User-Side Port: 1POTS + 4GE + 2.4G&5G Wi-Fi 6 + 1USB

EG8010Hv6



Network-Side Port: GPON

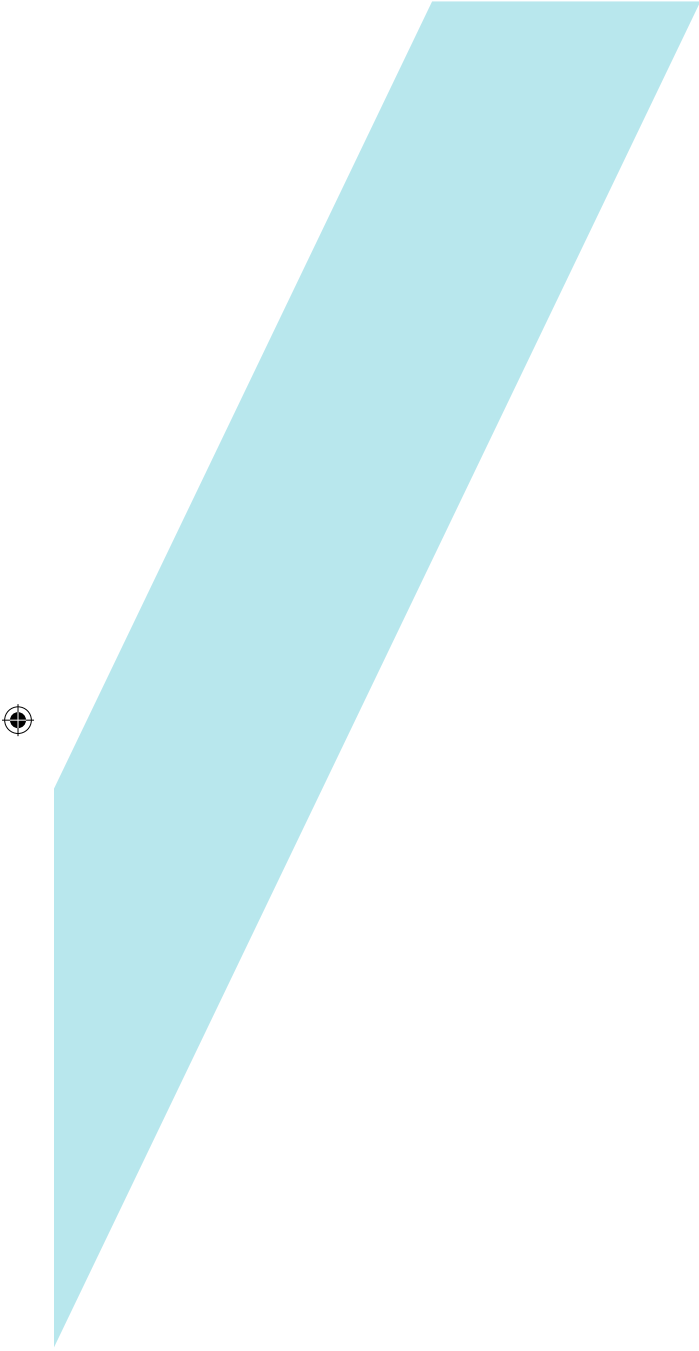
User-Side Port: 1GE

EG8040H5



Network-Side Port: GPON

User-Side Port: 4GE



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