CDTrans-1000

CDTrans-2000

CDTrans-6000
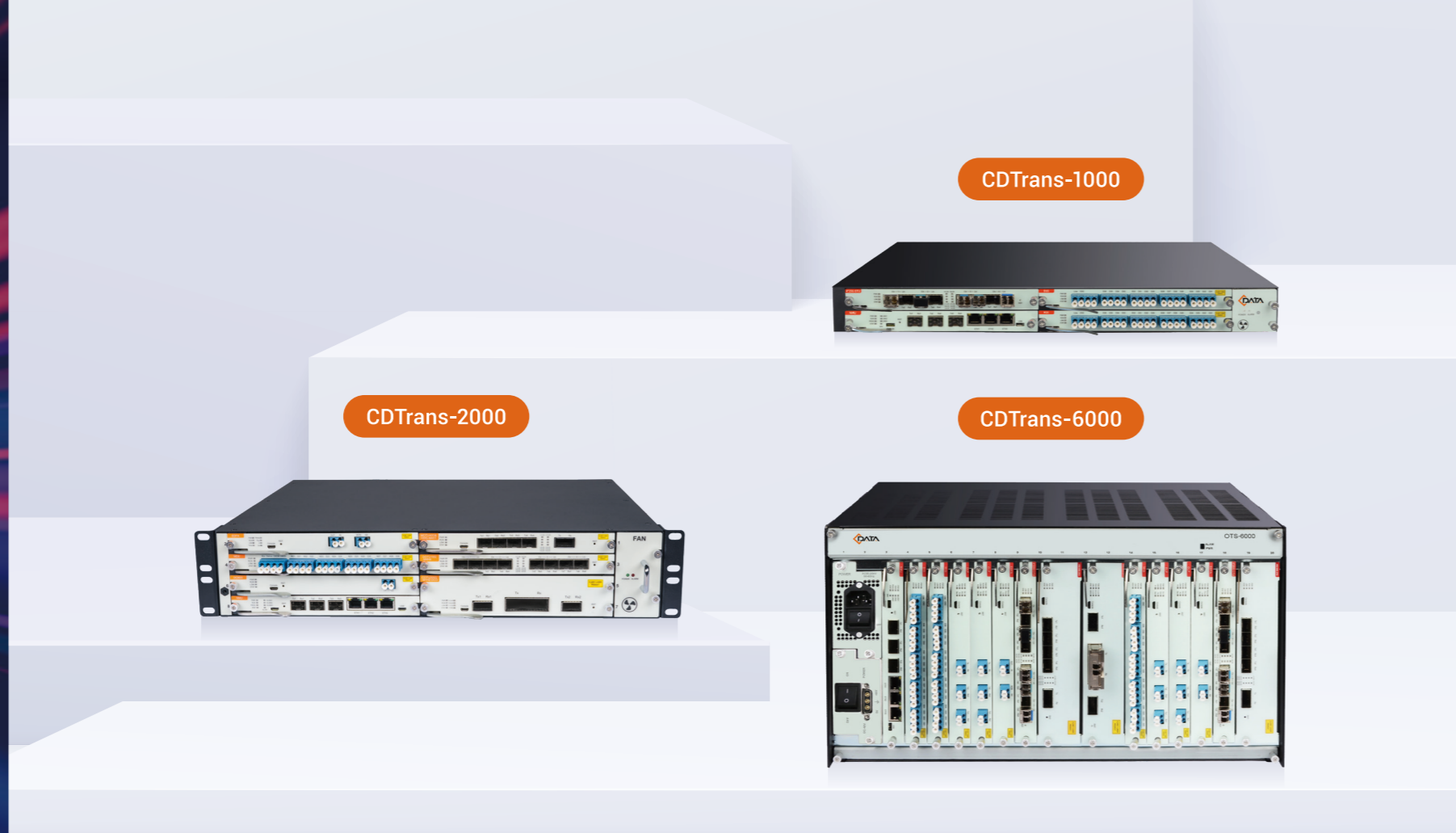
C-Data
CDTrans Series

High-Capacity Optical Transmission Platforms

OTP Series

	CDTrans-1000	CDTrans-2000	CDTrans-6000
	1RU chassis	2RU chassis	6RU chassis
	4 slots	8 slots	20 slots
	8 channels	16 channels	48/96 channels
	45*440*320mm	89*440*380mm	260*440*320mm

- 3*FE RJ45, 3*FE SFP, 2*Micro USB
- 10G / 25G / 40G / 100G / 200G
- Support CWDM / DWDM
- Support point-to-point, chain, star, ring, ring-with-chain, mesh network
- Support SDH, SONET, Ethernet, SAN, OTN, Video, CPRI, eCPRI, FC
- Support Web, SNMP, CLI management
- Power supply 220V AC or -48V DC, 1+1 hot backup

Subsystem OEO

2.5G OEO

- 44*260*260mm
- 10Mbit/s to 2.488Gbit/s transmission rate
- Support up to unidirectional 8*2.488G or bidirectional 4*2.488G
- Support PDH, SDH, SONET, Ethernet, SAN, OTN, Video and etc.
- Support FEC function, DDM signal monitoring and link detection
- Support 3R function
- Power consumption: <20W

10G SFP+ OEO

- 44*260*260mm
- Pluggable 8*SFP/SFP+ slots
- 1.25Gbit/s to 12.5Gbit/s transmission rate
- Support up to unidirectional 8*12.5G or bidirectional 4*12.5G
- Support PDH, SDH, SONET, Ethernet, SAN, OTN, Video and etc.
- Support FEC function, DDM signal monitoring and link detection
- Support 3R function
- Power consumption: <20W

25G OEO

- 44*260*260mm
- 14Gbit/s to 28Gbit/s transmission rate
- Support up to unidirectional 8*28G or bidirectional 4*28G
- Support 25GE, eCPRI, 16G/32G FC
- Support FEC function, DDM signal monitoring and link detection
- Support 3R function
- Power consumption: <20W

100G OEO

- 44*260*260mm
- Support up to unidirectional 4*100G or bidirectional 2*100G
- Support 40GE/100GE/OTU4
- Support FEC function, DDM signal monitoring and link detection
- Support 3R function
- Power consumption: <16W

Subsystem EDFA

CDTrans-Sub-EDFA

- 44*260*260mm
- Support BA, LA and PA
- Operating wavelength range: 1528-1566nm
- Input power-BA: -23dBm to +12dBm; LA: -30dBm to +5dBm; PA: -30dBm to +5dBm
- Output Power ≤ +23dBm
- Variable gain range: 10dB-30dB
- Support 48CH/96CH DWDM unified amplification in C-band
- Optional OSC signal inputs
- Support optical monitoring port (MON)
- Power consumption: <12W

Subsystem OLP

CDTrans-Sub-OLP

- 44*260*260mm
- Support 1+1 protection and 1:1 protection
- Optical power monitoring range: -30dBm to +25dBm(Tx & Rx)
- Low insertion loss - 1+1 protection: Tx≤4.0dB, Rx≤1.5dB; 1:1 protection≤1.5dB
- Fast swithing speed ≤ 25ms
- Support C-band and 1310nm
- Power consumption: <10W

Subsystem OMD

CDTrans-Sub-OMD

- 44*440*220mm
- CWDM: 1271nm~1611nm(up to 18CH)
- DWDM: 100GHZ/75GHZ/50GHZ C-Band(up to 96CH)
- Channel isolation: adjacent＞25dB; non-adjacent＞30dB
- Low insertion loss - 16CH:<4.2dB; 48CH:<6.0dB; 96CH:<7.5dB
- Low polarization mode dispersion<0.1ps
- TFF + AAWG(Gaussian) technology
- Completely passive, no powering utilized

OTU Card Series

NMU

- 22*170*245mm(H*W*D)
- 2*Micro USB
- 3*FE RJ45, 3*FE SFP
- Power consumption: <10W

MOTU100G

- 22*170*245mm
- 100G MUX
- Client side: 1*QSFP28 gray(hot pluggable)
- Line side: 4*SFP28 CWDM/DWDM (hot pluggable)
- Support 100GE, OTU4
- Support 3R function
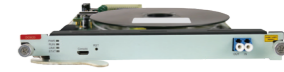- Support DDM signal monitoring and ALS
- Power consumption: <20W

OLP

- 22*170*245mm
- Client side: 1*LC port
- Line side: 2*LC ports
- Support 1+1 protection
- Optical power monitoring range: -30dBm to +25dBm
- Fast swithing speed ≤20ms
- Support automatic and forced working modes
- Power consumption: <10W

EDFA-Line Amplifier

- 22*170*245mm
- Input: 1*LC port; Output: 1*LC port; Monitoring: 1*LC port
- Operating wavelength range: 1528-1566nm
- Input power: -30dBm to 5dBm
- Saturated Output Power ≤ 20dBm
- Variable gain range: 19dB-25dB
- AGC, APC operation modes
- Support optical monitoring port (MON)
- Power consumption: <12W

DCM 20/40/60

- 22*170*245mm
- 2*LC ports
- Compensation distance up to 60km, 120km
- Low insertion loss≤5.5dB(60km), ≤9.8dB(120km)
- Low polarization mode dispersion ≤0.7ps(60km), ≤1.1ps(120km)
- Wide band dispersion compensation for DWDM
- 100% slope compensation of G.652 fiber in C-band
- Power consumption: <10W

COTU

- 45*170*245mm
- Client side: 2*QSFP28(hot pluggable)
- Line side: 1*CFP2(hot pluggable)
- Support C-band 48/96 wavelengths
- Support 2*100G bidirectional service access
- Support DP-QPSK/DP-8QAM/ DP-16QAM
- Client side supports: 100GE/OTU4
- Support 3R function
- Support DDM signal monitoring and ALS
- Power consumption: <36W

DOTU10G-M4H4

- 22*170*245mm
- Client side: 4*SFP+ gray(hot pluggable)
- Line side: 4*SFP+ CWDM/DWDM(hot pluggable)
- Support FE/GE/10GE, 2G/4G/8G/10G FC, CPRI1-8, STM1/4/16/64, OTU2/2e, OTU1f/OTU2f, OTU1/OTU1e
- Support 3R function
- Support DDM signal monitoring, ALS and loopback
- Power consumption: <15W

OCP2-10G

- 22*170*245mm
- Client side: 2*SFP+ gray(hot pluggable)
- Line side: 1*SFP+ DWDM(hot pluggable)
- Support FE/GE/10GE, 2G/4G/8G/ 10G FC, CPRI1-8, STM1/4/16/64, OTU2/2e, OTU1f/OTU2f, OTU1/OTU1e
- Support 1+1 protection
- Fast swithing speed ≤20ms
- Support automatic and forced working modes
- Support DDM signal monitoring and ALS
- Power consumption: <15W

EDFA-Pre-Amplifier

- 22*170*245mm
- Input: 1*LC port; Output: 1*LC port; Monitoring: 1*LC port
- Operating wavelength range: 1528-1566nm
- Input power: -30dBm to 5dBm
- Saturated Output Power ≤ 20dBm
- Variable gain range: 29dB-35dB
- AGC, APC operation modes
- Support optical monitoring port (MON)
- Power consumption: <12W

MUX / DEMUX

- 22*170*245mm/45*170*245mm
- Support customization: ≤16CH，40-48CH
- Low insertion loss - 16CH:<4.2dB; 40CH:<6.0dB, 48CH:<6.0dB;
- Low polarization mode dispersion≤0.1ps
- TFF + AAWG(Gaussian) technology
- MTBF>100,000 hours

MOTU40G

- 22*170*245mm
- 40G MUX
- Client side: 1*QSFP+ gray (hot pluggable)
- Line side: 4*SFP+ CWDM/DWDM (hot pluggable)
- Support 40GE/OTU3/OTU3e1/OTU3e2
- Support 3R function
- Support DDM signal monitoring and ALS
- Power consumption: <20W

DOTU25G-M4H4

- 22*170*245mm
- Client side: 4*SFP28 gray(hot pluggable)
- Line side: 4*SFP28 CWDM/DWDM (hot pluggable)
- Support 16G/32G FC, 25GE, eCPRI
- Support 3R function
- Support DDM signal monitoring, ALS and loopback
- Power consumption: <18W

EDFA-Boost Amplifier

- 22*170*245mm
- Input: 1*LC port; Output: 1*LC port; Monitoring: 1*LC port
- Operating wavelength range: 1528-1566nm
- Input power: -23dBm to 12dBm
- Saturated Output Power ≤ 20dBm
- Variable gain range: 19dB-25dB
- AGC, APC operation modes
- Support optical monitoring port (MON)
- Power consumption: <12W