TMN2MD02AT29-R1	MD02A is an optical transponder unit (OTU) board. It performs mutual conversion between 8G to 100G Any services and OTU4/OTUC2 signals.
Board type:	Electrical-Layer Board
Silkscreen:	MD02A

parameter	TMN2MD02AT29-R1
Basic function	Performs conversion between GE/10GE/25GE/40GE/100GE/FC100/FC200/FC400/FC800/FICON8G/FC1200/FC1600/FC3200/OTU2/OTU4/OTU2e/STM-64/OC-192/10G WAN signals and OTU4/OTUC2 signals.
Client-side service type	GE: Ethernet services at a rate of 1.25 Gbit/s 10GE LAN: Ethernet services at a rate of 10.31 Gbit/s 10GE WAN: Ethernet services at a rate of 9.95 Gbit/s 25GE LAN: Ethernet services at a rate of 25.78 Gbit/s 40GE: Ethernet services at a rate of 41.25 Gbit/s 100GE: Ethernet services at a rate of 103.125 Gbit/s STM-64/OC-192: SDH/SONET services at a rate of 9.95 Gbit/s OTU2: OTN services at a rate of 10.71 Gbit/s OTU2e: OTN services at a rate of 11.1 Gbit/s OTU4: OTN services at a rate of 111.81 Gbit/s FC100: SAN services at a rate of 1.06 Gbit/s FC200: SAN services at a rate of 2.12 Gbit/s FC400: SAN services at a rate of 4.25 Gbit/s FC800: SAN services at a rate of 8.5 Gbit/s

Service mapping mode	OTU4 < -> ODU4 100GE < -> ODU4: bit transparent mapping (default mode) 100GE < -> ODU4: MAC transparent mapping ODU2 (e) < -> ODU2 (e) < -> ODU4 25GE < -> ODUflex: MAC transparent mapping (GFP-F) 25GE < -> ODUflex: bit transparent mapping (BMP) 40GE <
WDM specification	Supports the DWDM specifications.
FEC coding	Supports RS-FEC coding when 25GE/100GE/FC3200 services are received on the client side. Supports SDFEC2 coding when the WDM-side port works in 100G_QPSK/100G_wDCM_QPSK mode. Supports SDFEC coding when the WDM-side port works in 200G_16QAM/200G_16QAM-H mode. Supports SDFEC2 coding when the WDM-side port works in 200G_e16QAM mode.
Line modulation format	In 200G mode: Supports 200G 16QAM, 200G 16QAM-H, and 200G e16QAM. In 100G mode: Supports 100G QPSK wDCM and 100G QPSK.
Typical channel spacing	200G_16QAM: 50 GHz Flex 200G_e16QAM: 50 GHz Flex 200G_16QAM-H: 50 GHz Flex 100G_wDCM_QPSK: 50 GHz Flex 100G_QPSK: 50 GHz Flex
L1 service encryption	Supported when the client-side service type is not OTU4
Typical power(W)	214.00

Maximum power(W)	242.00
Location	
Port	C1-C4,C5-C16,L1-L2
Connector type	LC/MPO
Function	Client side:C1-C4,C5-C16:Receives the service optical signals output by the client equipment. Transmits service optical signals to the client equipment. WDM side :L1-L2:Receives single-wavelength OTU4/OTUC2 signals from the optical multiplexer unit or the OADM unit. Transmits single-wavelength OTU4/OTUC2 signals to the optical multiplexer unit or the OADM unit.
Service type	C5-C16:FC800/FICON8G/FC1200/FC1600/FC3200/OTU2/OTU2e/STM-64/10GE WAN/10GE LAN/25GE C1-C4:10GE/40GE/100GE/OTU4 L1-L2:OTU4/OTUC2
Port note	C2/C4: 8*10GE (QSFP-DD) C1-C4: 100GE/OTU4 (QSFP28) C1-C4: 40GE/4*10GE (QSFP+)C5-C16: FC800/FICON8G/FC1200/FC1600/OTU2/OTU2e/STM-64/10GE WAN/10GE LAN (SFP+) C5-C16: 25GE/FC800/FC1600/FC3200 (SFP28)
Slot count	OptiXtrans DC908: 2
Applicable Device	OptiXtrans DC908: Slot 1, Slot 3, Slot 5, Slot 7