OTNS8600 I（1U system）

The integrated C/DWDM platform of OTNS8600 I type optical transmission network system is mainly used in the metro area access layer network, and it can complete the function such as optical fiber saving, service multiplexing and distance extension, solve the shortage of fiber resources in the access layer network, provide clients a access solution of broadband multiple service access with low cost, multiple service access and high efficiency. OTNS8600 I can cooperate with other Sintai Communication OTNS series products and implement networking according to the different requirements.

Product features

- The standard 1U rack type design fully adopts the way of outlet on the front panel, provides 3 service single-board slots, 1 network management single-board integrated with service slot, 1 fan single-board slot and 2 power single-board slots, which are all pluggable.
- It supports the WDM for all types of service with the rate of100Mbit/s~10Gbit/s, and meet the requirements of the multiple service access
- It supports CWDM and DWDM, and the board is available for both coarse wavelength and dense wavelength
- It supports the access of up to 16 bidirectional 10G services or 32 unidirectional 10G services on a single equipment, and the expansion of transmission capacity is available through the equipment stack
- It supports a transmission distance of 120 km for 2.5G, a transmission distance of of 80 km for 10G, with the configuration of optical amplification and dispersion compensation to implement longer-distance transmission
- It supports application scenes of single fiber unidirection, single fiber bidirection and dual-fiber bidirection.
- It supports a unified network management platform and provides a perfect performance monitoring ability in performance of network and equipment
- It supports the power supply of 220V AC or -48V DC, with a 1+1 power input protection
- It supports deployment in various locations such as cabinets, outdoor cabinets, desktops, hanging walls and derricks
- It supports free-of-configuration installation, and the equipment is plug-and-play
- It adopts green energy-saving design, with a typical configuration of 60W power consumption

Product specification

Performance Parameters	Technical Indicators
Product model	OTNS8600 I
Equipment size	1U:44 mm (height)x442 mm (width)x220 mm (depth)
Service slot	4 slots (network management card is optional for one of the slots)
Transmission capacity of Single equipment	● 16 * 10G bidirectional transmission ● 32 * 10G unidirectional transmissions
Wavelength	● CWDM:1271nm~1611nm ● DWDM:C Band, 100 GHZ or 50 GHZ
Maximum rate of Single channel	10Gbit/ s
Transmission distance	80km (without optical amplification)
Service interface type	100M~10G all kind of services, including services of STM-1/4/16/64, OC-3/12/48/192, FE, GE, 10GE, FC100/200/400/800/1200, FICON, ESCON, EPON, GPON, CPRI 1/2/3/6/7
Clock features	Support IEEE 1588 V2
Optical connector	SFP/SFP +, LC type interface
Network topology	Point to point, chain type, star type, ring type
Installation	"19"and 23" cabinets, ETSI 300mm/600mm cabinets Wireless outdoor base station cabinet, FTTx outdoor cabinet, hanging wall, derrick
Working temperature range	- 10 ℃~60 ℃ (typical)
Working humidity range	5~95% no condensation
Storage temperature range	-40℃ ~ 85℃
Heat dissipation	Fan cooling
Power supply mode	AC: 90~260 V or DC: -36~-72 V (support 1+1 backup power input)
Power consumption	60W (typical)