



FONST 6000 U Series

Ultra-large capacity

- 25.6Tbit/s cross-connect capacity for service grooming and dispatching.
- 400G backplane bandwidth per slot to support 100G/200G/400G data rate.
- 40/48 to 80/96 wavelengths scalable transmission capability for SMF.

Excellent security and reliability

- Multiple network-level protection schemes and ASON/GMPLS network management capabilities to protect services
- Comprehensive equipment protection for power supply devices, fans, and system control board 1+1, and cross-connection resource pools.

Excellent stability

- Ultra-long haul and ultra-long span transport
- Support FEC, super FEC, PM-QPSK technology
- Support distributed Raman amplification technology
- Monitor and self-adaptive adjustment for power, dispersion, OSNR and Q value

High maintainability

- Support statistical analysis and automatic optimization of performance parameters including optical power, OSNR and error rate (Q value). The system will generate reports and optimize them automatically
- Support optical channel power automatic balance, automatic optimization, automatic compensation, and automatic card discovery to reduce the cost of maintenance
- Support standard G.709 interface and provides abundant OTN overhead for wavelength services
- Support 1588V2 time and frequency synchronization protocol
- Provide physical layer clock synchronization and Ethernet time synchronization
- Advanced IAMS for network performance supervision, fault isolation, degradation precaution
- Advanced tool OTN Planer for network planning and simulation

Full service bearing

- STM-1/4/16/64/256
- OC3/12/48/192/768
- FE/GE/10GE/40GE/100GE
- FC100/200/400/800/1200
- OTU1,OTU2,OTU3,OTU4

SLTE	Submarine Line Terminal Equipment
SMF	Single-mode Fiber
OSNR	Optical Signal to Noise Ratio

OTN	Optical Transport Network
FEC	Forward Error Correction
OTU	Optical Transform Unit