



FONST 1000 N5

Access Packet Optical Transport System

Highlights

➤ **POTN Product, Supporting Unified Transmission and Access of Multiple Services**

3.2T OTN / packet cross-connect capacity, 320G SDH higher-order cross-connect capacity and 40G SDH lower-order cross-connect capacity per subrack, with a line rate up to 200 Gbit/s.

➤ **Advanced Overall Design, High Reliability and Secure Data Transmission**

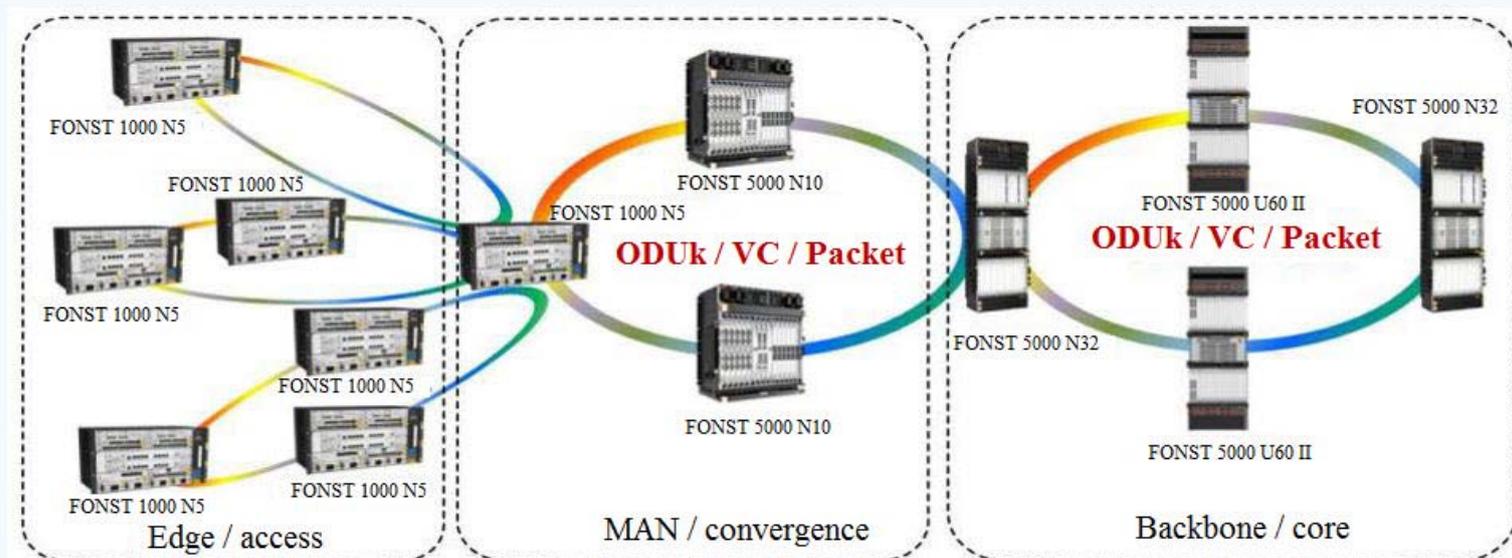
Network-level and equipment-level protection, ensuring service security to a great extent.

➤ **Eco-Friendly, Easy O&M, Low Power Consumption, and Easy Deployment**

6U highly-integrated device with low typical power consumption. Installed in a 19- / 21-inch cabinet, or wall mounted.

Application

Located at the edge / access layer, the FONST 1000 N5s are networked with the FONST 5000 U / N series to offer a multi-service network solution. This solution features a complete structure and clear hierarchy from the edge / access network, MAN / convergence network to backbone / core network, meeting operators' needs.



Specifications

Item	FONST 1000 N5 DC Subrack	FONST 1000 N5 AC Subrack
Dimensions (H × W × D)	• 266.3 mm × 482 mm × 287 mm	
Number of service card slots	• 16	• 14 / 12
Switching capacity	<ul style="list-style-type: none"> • Integrated access of ODUk, VC and packet services • OTN / packet: 3.2T, SDH higher order: 320G, SDH lower order: 40G 	
Service types	<ul style="list-style-type: none"> • E1, STM-1/4/16/64, FE, GE, 10GE, 100GE, FC800/FC1200/FC1600/FC3200, OTU2/2e/4, etc. 	
Synchronization	<ul style="list-style-type: none"> • Synchronous Ethernet, IEEE 1588v2 	
Max. transmission capacity per slot	<ul style="list-style-type: none"> • 200G 	
Line rate	<ul style="list-style-type: none"> • 10 Gbit/s, 100 Gbit/s, 200 Gbit/s 	
Self maintenance	<ul style="list-style-type: none"> • ETH OAM, port mirroring, loopbacks, PRBS, LLDP 	
Network-level protection (OTN)	<ul style="list-style-type: none"> • OCh 1+1, ODUk 1+1 	
Network-level protection (packet)	<ul style="list-style-type: none"> • LPT, LAG, PO+SNCP 	
Network-level protection (SDH)	<ul style="list-style-type: none"> • LMSP, SNCP 	
Equipment-level protection	<ul style="list-style-type: none"> • Central switch control unit 1+1 protection, power card 1+1 protection 	
Working voltage range	<ul style="list-style-type: none"> • -38.4 V to -57.6 V DC 	<ul style="list-style-type: none"> • 90 V to 290 V AC
Operating environment	<ul style="list-style-type: none"> • Long-term operating temperature: 0°C to 50°C; relative humidity: 5% to 85% • Short-term operating temperature: -10°C to 55°C; relative humidity: 5% to 90% 	