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First DC-centric 100T OTN Platform

OptiX Kepler Platform



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New OTN Platform That Supports DC-centric Networks

The DC-centric network era poses higher requirements on optical transmission networks, such as high bandwidth, energy saving, and intelligent management and control.

DC interconnection



Energy saving



Intelligent management and control



OptiX Kepler Platform

The Kepler platform is the first 400G OTN platform that provides ultra-large capacity, ultra-high energy e iciency, and ultra-strong intelligence for data centers.



Ultra-Large Capacity







Ultra-High Energy Efficiency

Efficient power supplies



Efficient and intelligent Hato fans



Ultra-Strong Intelligence





Application Scenarios

Applicable to both DC and conventional equipment rooms





Product Specifications

Boards

Line Boards



(400G QPSK modulation format, fixed module)

Tributary Boards/General Service Processing Boards



4-port 400GE/200GE tributary service processing board

modulation formats, pluggable module,

supporting Super C band)



TKE1T416 16-port 100GE/OTU4 tributary board

Optical Transponder Unit



8*100G or 2*400G Service Multiplexing into 2*400G Wavelength Conversion Board

400G QPSK modulation format, fixed module



Front

Rear

Specification	OptiX OSN 9800 K36
Dimensions (mm)	997.5 (H) x 442 (W) x 582.4 (D)
Applicable cabinet	19-inch cabinet A66B (one or two subracks in one cabinet)
Number of service slots	36
Maximum slot capability	1.6 Tbit/s
Cross-connect mode	1:1 mode: 14.4 Tbit/s 1:2 mode: 28.8 Tbit/s 1:3 mode: 57.6 Tbit/s
Wavelength range	C-band: 1524.50 nm to 1572.06 nm L-band: 1575.161 nm to 1626.434 nm
Network protection	Client 1+1 protection, intra-board 1+1 protection, LPT, ODUk SNCP, tributary SNCP
Device protection	Power supply redundancy (1+N backup), fan redundancy, cross-connect redundancy, communication control and clock unit redundancy
Airflow	Front-to-rear airflow
Power supply mode	DC, AC, high-voltage DC
Operating temperature	Long-term: 5°C to 40°C Short-term: -5°C to +45°C



2-port 400G line service processing board



TKE1N602P 2-port 400G/800G line service processing board

(400G QPSK/800G s16QAM modulation format, fixed module)





TKE1G224 24-port 10G Any general service processing board