

4*100G to 1*400G TMUX board FW841

4*100G to 1*400G TMUX board FW841 is used for fiber link 400G business access board, can realize 4*QSFP28 100G conversion CFP2 400G, CFP2 coherent optical module wavelength adjustable, cooperate with DWDM multiplexer/demultiplexer to realize wave Division multiplexing transmission provides a high-quality solution to solve the shortage of optical fiber resources and transmission lines with large loss of optical fiber lines.

Product Features

- ◆ The single board supports 4*100G to 1*400G coherent transmission, which can realize single-channel 400G line-side transmission.
- ◆ The wavelength is adjustable, supporting up to 400G 75GHz * 64 waves or 400G*100Ghz 48 waves, 200G 50GHz * 96 waves.
- ◆ With flexible coherent modulation technology: DP-16QAM, DP-8QAM, DP-QPSK.
- ◆ Multiple FEC error correction technologies: oFEC, CFEC, SCFEC, SDFEC.
- ◆ Support flexible service access functions: 100GE, 100GE KR4, OTU4 and 100G FlexE.
- ◆ Support perfect performance monitoring and statistical functions.
- ◆ Supports Ethernet RMON performance statistics, LLDP monitoring, constellation diagram monitoring, DM delay and PRBS detection functions, OTN PM and SM performance statistics and other functions.
- ◆ Supports real-time monitoring of high-precision board temperature, voltage, current and power consumption.
- ◆ The client side supports multiple module interface types: 100GSR4/CWDM4/LR4/PSM4.
- ◆ Support unified network management platform, network management methods SNMP, CLI, Web, NMS (graphical interface).



Product parameters

Parameters		Describe
Maximum capacity of single board		4*100G two-way transmission 4*100G one-way transmission
Wavelength (frequency) range		DWDM:1529.16nm-1567.14nm(191.3THz-196.05THz)
Adjustment method		DP-QPSK@100G; DP-16QAM@200G; DP-8QAM@200G; DP-QPSK@200G; DP-8QAM@300G; DP-16QAM@400G
Line side protocol		Open ROADM/Open ZR+/SCFEC
Dispersion tolerance		±40000ps/nm@100G
OSNR Tolerance		<11.5dB@100G DP-QPSK;<18.5dB@200G DP-8QAM;<21.5dB@200G DP-16QAM;<14dB@200G DP-QPSK;
Service access type		100GE、100GE KR4、OTU4 和 100G FlexE
Board size		81(W)x39(H)x218(D)(mm)
Environmental requirements	Operating temperature	-5°C~45°C
	Storage temperature	-40°C~85°C
	Relative humidity	5%~95% non-condensing
Product Size		101(W)x41(H)x230(D)(mm)
Power consumption		<80W