ESGT

E.S. GLOBAL TOP

Optical Transceivers –

Product Portfolio

Contents

Corporate Info.

Year of founding: 2008
Registry No.:   28926684
Capital: NT$10 million

Locations:

Office:
Taoyuan Dist.,
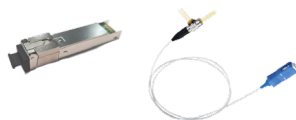Taoyuan City,
Taiwan

Warehouse:
Pingzhen Dist.,
Taoyuan City,
Taiwan

Banking info
Bank: First Commercial Bank West Chung Li Branch
Account No.:   #282-40-007534
Address: No.30, Chung Yan West Road Sec. 2, Chung Li Dist.,
Taoyuan City 320 Taiwan
Swift Code: CBKTWTP

For Access

GEPON ONU

- Bi-directional 1244Mbps upstream / 2488Mbps downstream
- EEPROM with serial ID functionality
- Compliant with ITU-G.984.2
- 2×10 SFF package with SC/APC or SC/UPC receptacle or pigtail
- Support digital diagnostic monitoring interface
- 1310nm burst mode transmitter, and 1490nm continuous mode receiver
- Single + 3.3V power supply

XGSPON ONU

- Bi-directional 9.953Gbps
- Upstream/9.953Gbps downstream
- EEPROM with serial ID functionality
- Compliant with ITU-T G.9807
- SFF/SFP+ package with SC/APC or SC/UPC or pigtail
- Support digital diagnostic monitoring interface
- 1270nm burst mode transmitter, and 1577nm continuous mode receiver
- Case operation temperature -40~85℃

10G EPON PR30 ONU

- Bi-directional 10.3Gbps upstream / 10.3Gbps downstream
- EEPROM with serial ID functionality
- Compliant with IEEE 802.3av
- SFP+/SFF package with SC/UPC or SC/APC or pigtail
- Support digital diagnostic monitoring interface
- 1270nm burst mode transmitter, 1577nm continuous mode receiver
- Single + 3.3V power supply

For Access

25GS-PON ONU

- Bi-directional 24.8832Gbps upstream / 24.8832Gbps downstream
- EEPROM with serial ID functionality
- Compliant with ITU-T9807 / IEEE.802.3ca
- SFP28 package with SC/UPC
- Support digital diagnostic monitoring interface
- 1286nm burst mode transmitter, and 1358nm continuous mode receiver
- Case operation temperature -40~85℃

25G EPON ONU

- Bi-directional 25.78Gbps upstream / 25.78Gbps downstream
- EEPROM with serial ID functionality
- Compliant with ITU-T G.9807/IEEE.802.3ca
- SFP28 package with SC/UPC
- Support digital diagnostic monitoring interface
- 1286nm burst mode transmitter, and 1358nm continuous mode receiver
- Case operation temperature -40~85℃

10G PON ONU STICK

- Bi-directional 10.3Gbps upstream / 10.3Gbps downstream
- EEPROM with serial ID functionality
- Compliant with ITU-T G.984.3 / G.988/ G.9807.1 / G.987.3
- SFP+ package with SC/UPC and MAC inside
- 1270nm burst mode transmitter, and 1577nm continuous mode receiver

For Transport

1/10G LR/BIDI

- 10GBASE-LR at 10.3125Gbps, 10GBASE-SW at 9.953Gbps
- Fiber channel
- Other optical links
- Support multi rate 11.03Gbps up to 10km/40km/60km/80km
- Operating case temperature 0~+70° or -40~85℃
- TX wavelength 1310nm/1270nm/1330nm/1490nm/1550nm

10G ER/ZR/DWDM

- Distance 10km/40km/80km
- Power consumption <2W
- Data rate 1~11.3Gbps
- Operating case temperature 0~+70° or -40~85℃
- Tx EML 1550nm/DWDM and PIN/APD Rx
- Compliant with SFF-8472
- 50G/100GHz ITU Grid, C-Band

25G LR/BIDI/DWDM

- 24.33Gbps 25GBASE
- Distance 10km/15km/30km
- Power consumption <2W
- Data rate CPRI 9.8~24.33G, 25GE 4.33~25.78Gbps
- Operating case temperature 0~+70° or -40~85℃
- Tx DFB/EML and PIN/APD Rx
- Compliant with SFF-8472

For Transport

40G LR4/PSM4

- Electrical interface specifications per SFF-8436
- Compliant with 40G Ethernet IEEE
- 802.3ba 40GBASE PSM4 standard
- QSFP+ MSA package with MPO connector
- 4x10G 1310nm Transmitter-PSM4
- 4x10G 1270/1290/1310/1330nm-LR4
- 4x10Gb/s PIN receiver
- Up to 10.3Gb/s data links

100G CWDM4/LR4

- Compliant with IEEE Std 802.3ba, 100G Ethernet LR4
- Compliant with QSFP28 MSA
- 4ch cooled 25Gb/s channels LAN WDM DFB TOSA-LR4
- 4ch 1270/1290/1310/1330nm for CWDM4
- 4 channels PIN photo detector
- Single +3.3V power supply
- Class 1 laser safety certified
- Power consumption less than 3.5W

For Data Center

1G/10G SX/SR/AOC

- Support multi rate 10.709Gbps
- Up to 300m on OM3 MMF
- Power consumption <1W
- Operating case temperature: 0~+70° or -20~85℃
- 850nm VCSEL and PIN receiver
- Compliant withSFF-8472

25G SR/AOC

- CPRI 25GE
- Distance OM3:70m/OM4:100m
- Power consumption <1W
- Data rate CPRI 9.8~24.33G, 25GE 24.33~28.05G
- Operating case temperature 0~+70° or -20~85℃
- 850nm VCSEL and PIN receiver
- Compliant withSFF-8472

100G SR4/AOC

- 100GBASE SR4 Ethernet
- High performance computing
- Up to 27.952 Gbps data rate per channel
- Maximum link length of 70m links on OM3 and 100m on OM4
- Digital diagnostic SFF-8436 compliant
- Compliant with QSFP28 MSA
- Power dissipation < 2W

For Data Center

16G SR

- 16G FC data rate up to 14.025 Gb/s
- 10GBASE-SW at 9.953Gbps
- Fiber Channel
- Other optical links
- Up to 100m on OM3 MMF
- Power consumption <1W
- Operating case temperature: 0~+70° or -20~85℃
- 850nm VCSEL and PIN receiver

32G SR

- CPRI, 25GE, 32G FC
- Distance OM3 70m, OM4 100m
- Power consumption <1W
- Data rate CPRI 9.8~24.33G, 25GE 24.33/25.78G, 32G FC 28G
- Operating case temperature 0~+70° or -20~85℃
- 850nm VCSEL and PIN receiver

400G SR8/AOC

- Interconnects data rate up to 425Gbps (400GBASE- SR8: 8x PAM4 26.5625 GBd)
- High speed I/O electrical interface (400GAUI- 8: 8x 26.5625 GBd PAM4) I2C interface with integrated digital diagnostic monitoring
- 850nm VCSEL laser and PIN receiver QSFP-DD MSA compliant QSFP-DD MSA package with MPO-16 connector
- Power consumption <12 W
- Operating case temperature 0 to 70 ºC

For Data Center
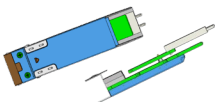
10/100/1000 Copper

- 1.25 Gigabit Ethernet over Cat.5 cable
- Electrical interface specifications per SFF-8431
- Management interface specifications per SFF-8432 and SFF-8472
- Support 10/100/1000 BASE-T operation
- Up to 100m over Cat.5 cable
- 1.2W maximum power consumption
- with established link

10/5/2.5/1G Copper

- Electrical interface specifications per SFF-8431
- Management interface specifications per SFF- 8432 and SFF-8472
- Support 10GBASE-T operation in host systems
- Supports 1000Base-T using Cat.5e cable
- Compatible with 100M/1G/2.5G/5G/10G
- Up to 30m over Cat.6a/7 cable within 3.5W

10G Opto-Electric Hybrid

- 10GBASE-LR at 10.3125Gbps
- 10GBASE-SW at 9.953Gbps fiber channel
- Other optical links
- Support multi rate 11.03Gbps
- Up to 1.4km/10km
- Power support 44~72V, 30~100W
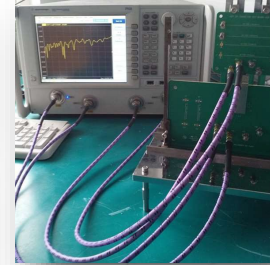
Quality & Reliability Guaranteed

- Temp. & Humidity
- Thermal Shock Resistance
- Bending Test
- Insulation Resistance
- Withstanding Voltage
- LLCR Measurement

- Salt Spray Test
- Durability & Force
- Coating Thickness
- High Frequency Test
- Halogen Free
- RoHS & REACH Compliance

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