HMC10G Series 10G Media Converter, RJ45 x 1, SFP+ x 1

HMC10G series are complete and versatile solutions for the applications such as FTTx, CWDM, and carrier Ethernet. By the diversified speeds of 1,000Mbps and 10G, Hobbes provides standalone HMC10G products for different applications and can be applied according to your ideal network topology.

Hobbes HMC10G series provide various interfaces such as UTP, SFP, SFP+, XFP and CX4. All these interfaces are developed to support the protocols such as 100Base–Tx, 100Base–Fx, 1000Base–T, 100Base–X, 10GBase–T, 10GBase–LR, 10GBase–SR and 10GBase–CX4, thus making your network more complete and solid.

All HMC10G series are equipped with real-time LEDs which display the status of each port, thus allowing users to view network status easily.

HMC10G series provide an easy-to-access Management Webpage, allowing users to view system status, counters, and network statistics.

Also, HMC10G series support MIB Counter Report including counters such as Packet, Byte, Broadcast packet, Pause Frame, Length: 64 Bytes, Length: 65–127 Bytes, Length: 128–255 Bytes, Length: 256–511 Bytes, Length: 512–1023 Bytes, Length: 1024–1518 Bytes, Unicast packet, Multicast packet, CRC Error, IP Checksum Error, Under Size Packet, and Over Size Packet.

With various interfaces, HMC10G series provide different conversions between fibers and copper wires in 10G Ethernet.

Features

- Diversified interfaces including SFP, SFP+, RJ45, XFP and CX4
- Supports 3R (Re-generation, Re-timing, Re-shaping) Performance
- Supports Jumbo Frame
- Supports D/D (Digital Detection) functioned optical transceivers and overload protection
- HMC10G series support easy-to-use Management Webpage that allows
 users to view system status, counters, and network statistics
- Supports SNMP (Simple Network Management Protocol)
- Supports Link Loss Forwarding



HMC10G Series Specification and Order information

| Media Converter Immon Sector Sect | Model | | | | | | | | | |
|--|------------------|----------|--|-----------|--|------------|------------|-----------|------------|--|
| Interface Port A RJ45 SFP* RJ45 CX4 XFP RJ45 Interface Port B SFP SFP* XFP SFP* XFP XFP XFP Transfer Rate 1000 Mbps 10G 10G 10G 10G 10G 10G 10G 10G Ethernet Mode 1000Base-X 10GBase-LR 10GBase-SR 10GBase-SR <t< th=""><th>Media Co</th><th>nverter</th><th></th><th></th><th></th><th>a</th><th></th><th>100 mil</th><th></th></t<> | Media Co | nverter | | | | a | | 100 mil | | |
| InterfacePort ARJ45SFP*SFP*RJ45CX4XFPRJ45Port BSFPSFPXFPSFP*SFP*XFPXFPXFPTransfer Rate1000 Mbps10G10G10G10G10G10G10GEthernet Mode1000Base-T10GBase-LR10GBase-LR10GBase-LR10GBase-R10GBase-LR10GBase- | | | HMC10G-81 | HMC10G-22 | HMC10G-23 | HMC10G-82 | HMC10G-62 | HMC10G-33 | HMC10G-83 | |
| Port BSFPSFP+XFPSFP+SFP+XFPXFPXFPTransfer Rate1000 Mbps10G10G10G10G10G10G10GEthernet Mode1000Base-T10GBase-LR10GBase-LR10GBase-LR10GBase-SR10GBase-SR10GBase-SR1000Base-X100Base-SR10GBase-SR10GBase-SR10GBase-SR10GBase-SR10GBase-SR100Base-X9KBSystem Control•Transceiver Power ON/OFF • Selectable Auto/Force Media Type• System Upgrade (F/W, FPGA) • Link Connection Mode: Slave/Segment• Loopback *Device Status Report••••••Status Report••••••MIB Counter Report••••••Visatus Report••••••Visatus Report••••••Visatus Report••••••Status Report••••••Visatus *••••••Counter Report••••••Visatus *••••••Visatus *••••••Visatus *••••••Index *••••••Isatus Report•• | | | | | | | | | | |
| Transfer Rate1000 Mbps10G10G10G10G10G10G10GEthernet Mode1000Base-T10GBase-LR <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | | | | | | |
| Ethernet Mode 100Base-T 100Base-X 10GBase-LR 10GBase-SR 10GBase-SR 10GBa | | Port B | SFP | SFP+ | XFP | SFP+ | SFP+ | | XFP | |
| 1000Base-X 10GBase-SR 10GBase-SR <th>Transfer F</th> <th>Rate</th> <th>1000 Mbps</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | Transfer F | Rate | 1000 Mbps | | | | | | | |
| System Control * System Control • Transceiver Power ON/OFF • System Upgrade (F/W, FPGA) • Loopback * • Selectable Auto/Force Media Type • Link Connection Mode: Slave/Segment Device Status Report • Information • Temperature Detection • Fiber Module Detection * Link Status • Module Detection • Transceiver Overloading MIB Counter Report * • Broadcast packet • Byte Counter Report * • Broadcast packet • Bytes • Length: 64 Bytes • Length: 65–127 Bytes • Length: 128–255 Bytes • Length: 512–1023 Bytes • Length: 1024–1518 Bytes • Unicast packet • Unicast packet • Multicast packet • Multicast packet • Under size packet • Over size packet • Over size packet Hardware • Operating: 0°C~40°C (32°F~104°F) • Storage: 0°C~50°C (32°F~122°F) Humidity (non-condensing) • Operating: 0%~85% RH • Storage: 0%~85% RH | Ethernet Mode | | | | | 10GBase-SR | 10GBase–SR | | 10GBase–LR | |
| System Control • Transceiver Power ON/OFF • System Upgrade (F/W, FPGA) • Loopback * Selectable Auto/Force Media Type • Link Connection Mode: Slave/Segment • Device Status Report • Information • Temperature Detection • Fiber Module Detection Status Report • Information • Temperature Detection • Fiber Module Detection MIB Counter Report * • Packet • Byte Counter Report • Packet • Byte • Length: 64 Bytes • Length: 65–127 Bytes • Length: 128–255 Bytes • Length: 512–1023 Bytes • Length: 1024–1518 Bytes • Unicast packet • Over size packet • CRC Error • IP Checksum Error * • Under size packet • Over size packet • Under si | Jumbo Fra | ame | 9KB | | | | | | | |
| • Selectable Auto/Force Media Type • Link Connection Mode: Slave/Segment Device Status Report • Information • Temperature Detection • Fiber Module Detection Status Report • Information • Temperature Detection • Fiber Module Detection MIB Counter Report * • Packet • Byte Counter Report • Packet • Byte • Broadcast packet • Pause Frame • Length: 64 Bytes • Length: 65–127 Bytes • Length: 512–1023 Bytes • Length: 256–511 Bytes • Unicast packet • Multicast packet • Unicast packet • Multicast packet • Under size packet • Over size packet | System Co | ontrol * | | | | | | | | |
| Device Status Report Information Temperature Detection Fiber Module Detection Status Report Information Temperature Detection Fiber Module Detection MIB Counter Report * Counter Report Packet Byte Broadcast packet Pause Frame Length: 64 Bytes Length: 65–127 Bytes Length: 128–255 Bytes Length: 256–511 Bytes Length: 512–1023 Bytes Length: 1024–1518 Bytes Unicast packet Multicast packet Unicast packet IP Checksum Error * Under size packet Over size packet Hardware Temperature Mumidity Operating: 0%~85% RH Yoperating: 0%~85% RH Storage: 0%~85% RH | System Control | | | | | | | | | |
| Status Report • Information • Temperature Detection • Fiber Module Detection • Link Status • Module Detection • Transceiver Overloading MIB Counter Report • Packet • Byte • Broadcast packet • Pause Frame • Length: 64 Bytes • Length: 65–127 Bytes • Length: 128–255 Bytes • Length: 1024–1518 Bytes • Length: 512–1023 Bytes • Length: 1024–1518 Bytes • Unicast packet • Multicast packet • CRC Error • IP Checksum Error * • Under size packet • Over size packet • Derating: 0°C~40°C (32°F~104°F) • Storage: 0°C~50°C (32°F~122°F) Humidity (non-condensing) • Operating: 0%~85% RH • Storage: 0%~85% RH | | | | | | | | | | |
| • Link Status • Module Detection • Transceiver Overloading MIB Counter Report • Packet • Byte • Broadcast packet • Pause Frame • Length: 64 Bytes • Length: 65–127 Bytes • Length: 128–255 Bytes • Length: 256–511 Bytes • Length: 512–1023 Bytes • Length: 1024–1518 Bytes • Unicast packet • Multicast packet • CRC Error • IP Checksum Error * • Under size packet • Over size packet • Under size packet • Over size packet • Under size packet • Over size packet • Under size packet • Storage: 0°C~50°C (32°F~122°F) Humidity (non-condensing) • Operating: 0%~85% RH • Storage: 0%~85% RH | | | | | | | | | | |
| MIB Counter Report * Counter Report • Packet • Byte • Broadcast packet • Pause Frame • Length: 64 Bytes • Length: 65–127 Bytes • Length: 128–255 Bytes • Length: 256–511 Bytes • Length: 512–1023 Bytes • Length: 1024–1518 Bytes • Unicast packet • Multicast packet • Unicast packet • IP Checksum Error * • Under size packet • Over size packet • Under size packet • Storage: 0°C~50°C (32°F~122°F) Humidity (non-condensing) • Operating: 0%~85% RH • Storage: 0%~85% RH | Status Report | | | | | • | | | | |
| Counter Report• Packet• Byte• Broadcast packet• Pause Frame• Length: 64 Bytes• Length: 65–127 Bytes• Length: 128–255 Bytes• Length: 256–511 Bytes• Length: 512–1023 Bytes• Length: 1024–1518 Bytes• Unicast packet• Multicast packet• Unicast packet• IP Checksum Error *• Under size packet• Over size packet• Under size packet• Over size packet• Under size packet• Storage: 0°C~50°C (32°F~122°F)Humidity (non-condensing)• Operating: 0%~85% RH• Storage: 0%~85% RH• Storage: 0%~85% RH | MIB Counter Rep | | | | | | | | | |
| Temperature • Operating: 0°C~40°C (32°F~104°F) • Storage: 0°C~50°C (32°F~122°F) Humidity (non-condensing) • Operating: 0%~85% RH • Storage: 0%~85% RH | | | Packet Broadcast packet Length: 64 Bytes Length: 128–255 Bytes Length: 512–1023 Bytes Unicast packet CRC Error | | Pause Frame Length: 65–127 Bytes Length: 256–511 Bytes Length: 1024–1518 Bytes Multicast packet IP Checksum Error * | | | | | |
| Humidity (non-condensing) • Operating: 0%~85% RH • Storage: 0%~85% RH | | | | | | | | | | |
| (non-condensing) | · · · | | | | | | | | | |
| Dimension 147 x 89 x 28 mm | (non-condensing) | | | | | | | | | |
| | Dimension | | 147 x 89 x 28 r | nm | | | | | | |

*HMC10G-81 does not support Loopback functions.

