

## Standalone, 2.5U 14-slot Chassis MODEL: RACK2000

### Overview:

10/100/1000M Media Converter Chassis is a 10/100/1000Base-TX Fast or Gigabit Ethernet media converter with the function of auto negotiation and auto MDI/MDIX cable selection. This device translates transmission signals from a twisted-pair 10Base-T, 100Base-TX or 1000Base-TX cable to 100Base-FX or 1000Base-FX fiber optic cable.

### Picture:



### Features:

- Support 10/100M Media Converter and 10/100/1000M Media Converter
- Up to 120Km distance without any relay device

### Specifications:

1. Ethernet Port
  - Compatible with IEEE 802.3 series Standards
  - Speed: 10/100/1000Mbps auto-negotiation
  - Duplex: Half/full auto-negotiation
  - Connectors: RJ45 Jack
  - MDI/MDI-X crossover automatically
2. Optical Port
  - Wavelength: 850nm/1310nm/1550nm
  - Single mode/Multimode Optional
  - Up to 120km transmission distance
  - SC/PC, ST/PC and FC/PC optional
3. Power
  - AC: 100V~240V, 50/60Hz
  - DC: -48 VDC
  - Consumption: Standalone < 3W
4. Size
  - Standalone: 132mm (W) x 122mm (D) x 36mm (H)
  - 19-inch Chassis: 440mm (W) x 250mm (D) x 125mm (H)
5. Environment
  - Temperature: 5°C ~ 40°C;
  - Humidity: 30% ~ 90% (25°C);
6. LEDs
  - PWR, TLink, Flink, 100M

### Information Order:

#### 1. Model

**MODEL1100** Serial Media Converter Standalone  
**RACK2000** Media Converter Chassis

#### 2. Part Number of module Media Converter standalone Fast Ethernet:

Type	Connector	Fiber type	Wavelength (Nm)	Max. distance	TX power (dBm)	Sensitivity	Link Budget
MODEL1100-SC-2	SC Duplex	Multi-mode	850	2Km	-13~-8	-30dBm	17dBm
MODEL1100S-SC-25	SC Duplex	Single-mode	1310	20km	-14~-8	-32dBm	18dBm
MODEL1100S-SC-40	SC Duplex	Single-mode	1310	40km	-8~-3	-33dBm	25dBm
MODEL1100S-SC-60	SC Duplex	Single-mode	1550	60km	--3~0	-36dBm	33dBm
MODEL1100S-SC-80	SC Duplex	Single-mode	1550	80km	-10~-5	-35dBm	25dBm
MODEL1100S-SC-100	SC Duplex	Single-mode	1550	100km	-5~0	-36dBm	31dBm
MODEL1100S-SC-120	SC Duplex	Single-mode	1550	120km	0~+3	-36dBm	36dBm
MODEL1100S-SC-25	SC Simplex	Single-mode	1310/1550	20km	-14~-8	-32dBm	18dBm
MODEL1100S-SC-40	SC Simplex	Single-mode	1310/1550	40km	-8~-3	-33dBm	25dBm
MODEL1100S-SC-60	SC Simplex	Single-mode	1490/1550	60km	--3~0	-36dBm	33dBm
MODEL1100S-SC-80	SC Simplex	Single-mode	1490/1550	80km	-10~-5	-35dBm	25dBm

**Gigabit Ethernet:**

Type	Connector	Fiber type	Wavelength (Nm)	Max. distance	TX power (dBm)	Sensitivity	Link Budget
MODEL1000-SC-2	SC Duplex	Multi-mode	850	550m	-9~-4	-30dBm	17dBm
MODEL1000S-SC-25	SC Duplex	Single-mode	1310	20km	-10~-3	-32dBm	18dBm
MODEL1000S-SC-40	SC Duplex	Single-mode	1310	40km	-6~-1	-33dBm	25dBm
MODEL1000S-SC-60	SC Duplex	Single-mode	1550	60km	-2~+3	-36dBm	33dBm
MODEL1000S-SC-80	SC Duplex	Single-mode	1550	80km	-5~0	-35dBm	25dBm
MODEL1000S-SC-100	SC Duplex	Single-mode	1550	100km	-5~0	-36dBm	31dBm
MODEL1000S-SC-120	SC Duplex	Single-mode	1550	120km	0~+5	-36dBm	36dBm
MODEL1000SS-SC-25	SC Simplex	Single-mode	1310/1550	20km	-9~-3	-32dBm	18dBm
MODEL1000SS-SC-40	SC Simplex	Single-mode	1310/1550	40km	-8~-3	-33dBm	25dBm
MODEL1000SS-SC-60	SC Simplex	Single-mode	1490/1550	60km	-2~+3	-36dBm	33dBm
MODEL1000SS-SC-80	SC Simplex	Single-mode	1490/1550	80km	0~+5	-35dBm	25dBm

**3. Part Number (P/N) of Chassis**

**RACK2000-14** 14-slot chassis, support double redundant power supplies

**4. Part Number (P/N) of Chassis power supply module**

**PR-2000A** 14-slot chassis power supply module, AC 220V input, 100Watt output

**PR-2000D** 14-slot chassis power supply module, DC -48V input, 100Watt output

**Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: [Sales@zhtelecomm.com](mailto:Sales@zhtelecomm.com) Website: [www.zhtelecomm.com](http://www.zhtelecomm.com) Tel: +86-01081593787 Fax: +86-01081593789**