



SEPITAM

ONE STEP SMARTER

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SEPLITAM
MC14E-SSC20



TYPE:

Sepitam-MC14E-SSC20

Sepitam fiber optic and Ethernet converters are engineered to support the seamless transmission of various services, including FXO/FXS, E1, audio, analog video, HDMI, USB, and serial data. Whether deployed over fiber optic or Ethernet networks, our solutions ensure reliable, high-quality communication for a wide range of applications.



- ▶ TYPE: Sepitam-MC14E-SSC20
- ▶ Technical Specification of Sepitam-MC14E-SSC20
- ▶ 4*10/100Mbps port & 1G fiber SSC20 port

▶ Description:

Sepitam-MC14E-SSC20 series are 10/100Mbps adaptive fast Ethernet Optical Media Converter, with built-in 4 ports 10M/100Mbps self-adaptive switch, converting the 4 independent 10Base-T or 100Base-TX twisted pair electrical signal with 100Base-FX optical signal. It extends the network transmission range from 100m, the limit of copper line, to 120Km (single mode full duplex). It supports two different types of network connection media, 10/100Base-TX and 100Base-FX. By switching technique and storage & forwarding technique, it realizes the data transmission between two network connection media. It supports optical transmission under dual-fiber multi-mode, dual-fiber single mode, and single fiber single mode.



► Properties:

- 10/100Mbps auto-sensed, facilitating network upgrade
- Built-in efficient switching core to implement flow control and reduce broadcast packets
- Providing several respective 10M/100Mbps adaptive twisted pair switching ports which implement the backup of electrical ports and the access of multiple users
- Supporting full-duplex and half-duplex and its auto-sensed
- Supporting auto-sense of MDI/MDI-X, facilitating system commissioning and installation
- Supporting the transmission of extra-long packets up to 1552 bytes
- Low power consumption, reliable and stable performance;
- Options in single mode in dual fiber, multi-mode in dual fiber, and single mode in single fiber

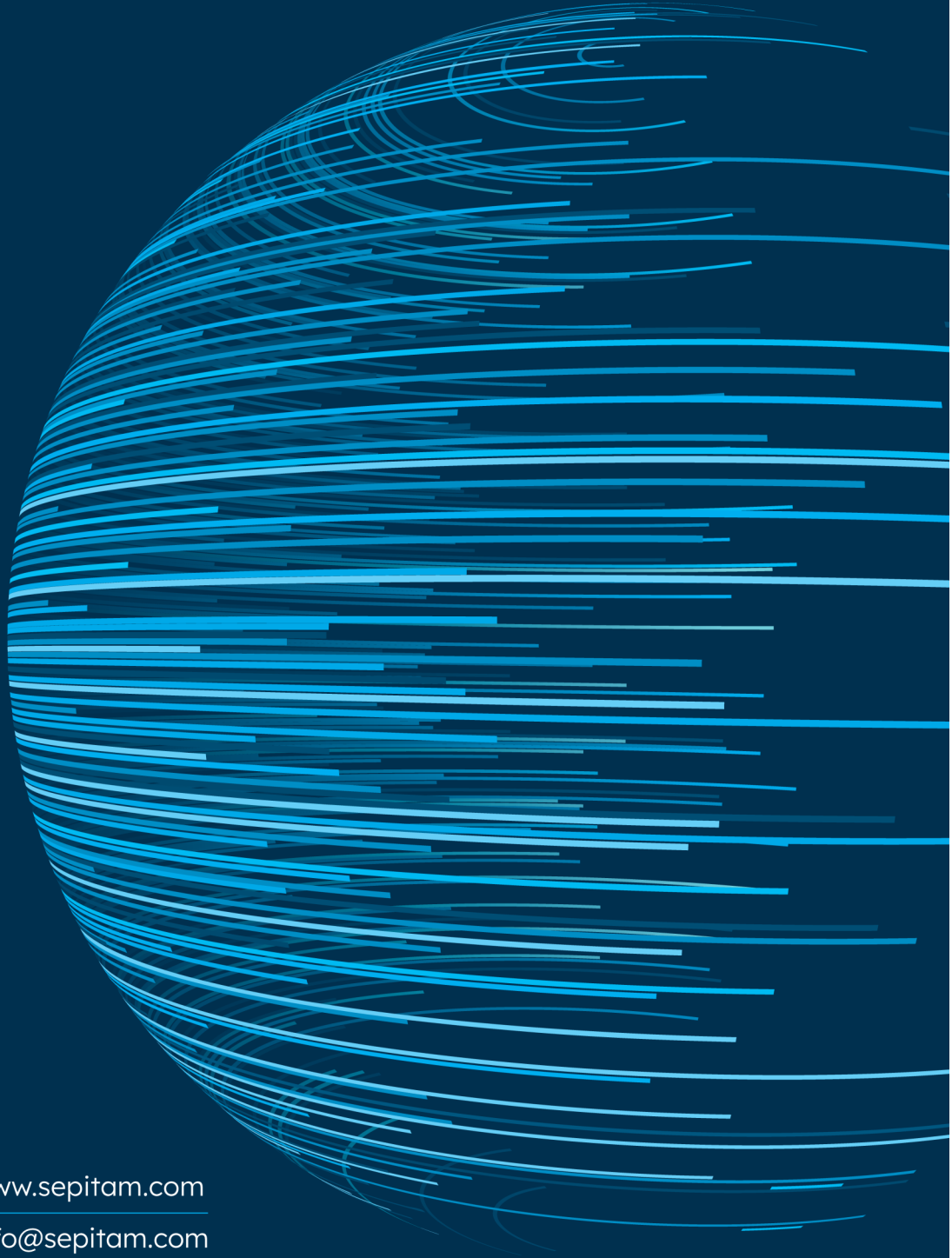
► Specifications:

| Model | Sepitam-MC14E-SSC20 |
|-----------------------|---|
| Access mode | 10/100Mbps |
| Standard | IEEE802.3 10Base-T Ethernet, IEEE802.3u,100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control |
| Wavelength | 850nm/1310nm/1550nm |
| Transmission distance | Multi-mode Dual-fiber: 2 km; Single mode Dual-fiber: 20/40/60/80/100/120 km; Single mode Single fiber: 20/40/60/80/100/120 km Category-5 twisted pairs: 100m |
| Power Consumption | Standby:<10W; Full load:<240W |



| Model | Sepitam-MC14E-SSC20 |
|-------------------------|---|
| SFP Port Characteristic | Gigabit SFP optical fiber interface, default matching optical modules, need to buy separately, (optional order mode / multi-mode, single fiber / double fiber optical module). |
| Port | <p>RJ45 port: Connecting with STP/UTP category-5 twisted pairs</p> <p>Optical port: Multi-mode: SC or ST (50, 62.5/125μm) Single mode: SC or FC (9/125μm) Single mode Single fiber: SC/FC (9/125μm)</p> |
| Flow control | Full duplex: flow control; half duplex: back pressure |
| Error rate | <10 ⁻⁹ |
| MTBF | 100,000 hours |
| LED indicator | POWER (power supply); FX LINK/ACT (fiber link/action) FDX (FX full duplex), FX100 (fiber rate 100M) |
| Power supply | DC5V 1A (external) |
| Power consumption | 3.5W |
| Operating temperature | -10~55°C |
| Operating humidity | 5%~90% |
| Maintaining temperature | -40~70°C |
| Maintaining humidity | 5% ~ 90% non-condensing |
| Dimensions | 110mm(W)×96mm(D)×30mm(H) (external power supply) |

Technical Specification of Sepitam-MC14E-SSC20



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