



Smart Architecture of Espadana

Designing, Production, Customization and Consultant Service
in Network and Fiber Optic System



Technical Specification

SAE-100SSC-20

Single Port, Single Fiber Gigabit Media converter





Product Description

- 10/100/1000M single mode single fiber media converter
- Card-type or Stand-alone type for your choice
- Broadcasting filtration function, automatic recognizing and modifying address with store-and-transmission operational mechanism
- Ethernet 10Base-T or 100Base-TX 100Base-FX fiber media transmission
- The electrical interface port supports 1000Mbps, 100Mbps, 10Mbps, both ends can use different speed (full-duplex work bandwidth for line-speed 2XMbps)
- Cache size for 512KB, address table size is 4KB
- 1x RJ45 port and 1x fiber SC port

Full Description

This SAE-100SSC-20 10/100/1000M media converter can be used between 10Base-T and 10Base-FL or 100Base-TX cable and 100Base-FX fiber cable or 1000Base-T cable and 1000Base-S/LX fiber cable for data transmission. It provides stand alone RJ-45 electrical interface port and supply power to others, and can automatically cross connection with switch and hub network. And feature with link loss diagnosis, electrical port link diagnosis and optical port link diagnosis, dynamic data transmission, full-duplex/half-duplex, speed indicator. Also it can realize the interconnection between motherboard servers, Repeaters, hubs, Plug and play design makes easy installation, no on-site adjustment, all the light, electrical interface port is in line with international standards. It can extend the network transmission up to 20km. This gigabit fiber media converter is suitable for Bad industrial environment or high requirements for lightning protection, intelligent transportation supervisory system (ITS) and safe city, High-speed way supervisory/Tele-communication system, IP network camera, security surveillance system for large corporations, multi-function network system.



Applications

- IP Camera in CCTV monitoring
- Digital Radio in transmission systems
- IP telephone
- Intelligent transportation supervisory system (ITS)
- Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Multi-media Schooling, Campus monitoring

Technical specification

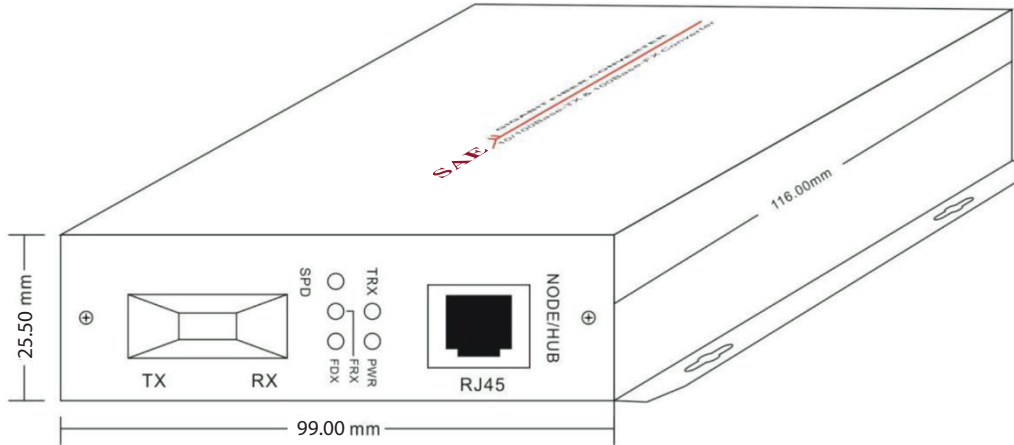
Product	
Product Name	SAE-100SSC-20
Interface	
Ports	1× copper cable RJ45 port +1× fiber SC port, support power supply
Protocol	
Transmission Distance	20km
Fiber Description	Single mode single fiber, SC port
Fiber Bandwidth	1.25G
Wavelength	1310nm
Network Bandwidth	1000MHz
Ethernet Specification	
Bandwidth	1.6Gbps (non-blocking)
Network latency (10 to 100M bps)	the maximum delay less than 20 microseconds
Packet Buffer Memory	96KB
Address Database Size	1,000
MTBF	190,000 hours (about 21 years)
Standards	
IEEE 802.3i 10BASET	IEEE 802.3u 100BASETX
IEEE 802.3x Flow Control	IEEE 802.1af DTE Power via MDI



LED Indicator	
systems	Power
Connecting	working status
Power	
Power Supply	3.5W
Dimension/ Weight	
Dimension	116×99×25.5mm
Weight	0.65kg
Working Environment	
Working Temperature	-20°c ~ 75°c
Storage Temperature	-40°c ~ 85°c
Working Humidity	10% ~ 90%, non-condensing
Storage Humidity	10% ~ 95%, non-condensing
Operational Altitude	3000m (10,000ft)
Storage Altitude	3000m (10,000ft)
Radiation	
CE mark, commercial	FCC Part 15 Class B
VCCI Class B	EN 55022 (CISPR 22), Class B
Safety	
CE mark, commercial	CE/LVD EN60950



Product Size Display



Product Application Display

