



**Smart Architecture of Espadana**

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



## Technical Specification

**SAE-10DSC-20**

**1 port 10/100Mbps Multi/single mode Dual fiber media converter**





### Product Description

- 10/100Mbps multi/single mode dual fiber media converter
- 1x RJ45 port and 1x fiber duplex SC port
- 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 4K

### Full Description

This **SAE-10DSC-20** 10/100Mbps 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.



**Application**

- 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**

<b>Product</b>	<b>SAE-10DSC-20</b>	
<b>Interface</b>		
Ports	1× copper cable RJ45 port +1× fiber SC port, support power supply	
<b>Protocol</b>		
Transmission Distance	20km	
Fiber Description	Single/Multi mode dual fiber, SC port	
Fiber Bandwidth	1.25G	
Wavelength	1310nm	
Network Bandwidth	100MHz	
<b>Ethernet Specification</b>		
Bandwidth	1.6Gbps (non-blocking)	
Network latency (10 to 100M bps)	the maximum delay less than 20 microseconds	
Packet Buffer Memory	96KB	



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Address Database Size		1,000
MTBF		190,000 hours (about 21 years)
<b>Standards</b>		
IEEE 802.3i 10BASET		IEEE 802.3u 100BASETX
IEEE 802.3x Flow Control		IEEE 802.1af DTE Power via MDI
<b>LED Indicator</b>		
systems	Power	
Connecting	working status	
<b>Power</b>		
Power	Supply 3.5W	
<b>Dimension/ Weight</b>		
Dimension	116×99×25.5mm	
Weight	0.65kg	
<b>Working</b>		
Working Temperature	-20° ~ 75°C Storage	
Environment Temperature	-40° ~ 85°C	
Working Humidity	10% ~90%, non-condensing	
Storage Humidity	10% ~95%, non-condensing	
Operational Altitude	3000m (10,000ft)	
Storage Altitude	3000m (10,000ft)	
<b>Radiation</b>		
CE mark, commercial	FCC Part 15 Class B	
VCCI Class B	EN 55022 (CISPR 22) , Class B	
<b>Safety</b>		
CE mark, commercial	CE/LVD EN60950	

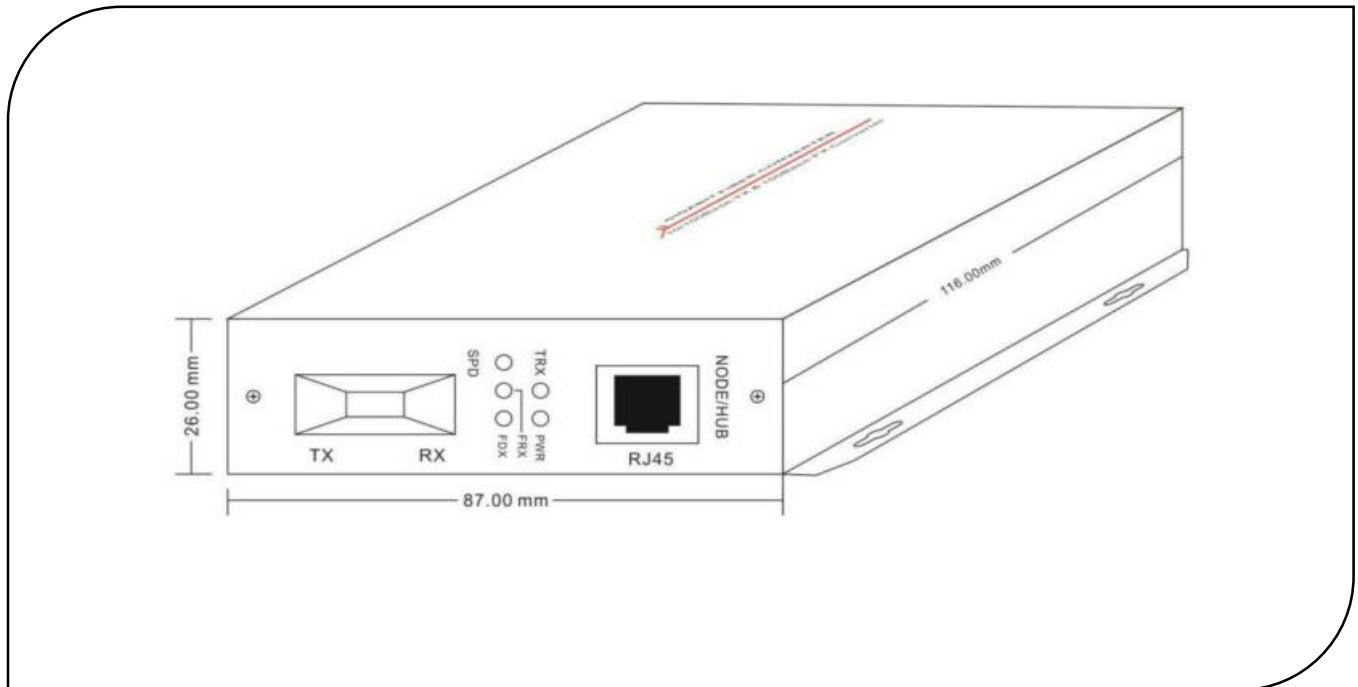


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### Product Application Display



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