



## Rear Transition Module for the ATS1936

**AdvancedTCA<sup>®</sup>**



Diversified Technology's TM1936-CX4 rear transitional module expands the external connectivity of the ATS1936 with additional ingress/egress ports. It supports short range low cost CX4 cabling. The TM1936-CX4 is ideal for connecting multiple AdvancedTCA chassis together at extremely high bandwidth. The TM1936-CX4 fully supports managing the ATS1936 from the rear in addition to the ingress/egress ports it provides.

### Product Features

ATCA PICMG 3.0 RTM for the ATS1936

PICMG 3.0 R2.0 ECN002 compliant

Base PICMG 3.0 Ethernet interface:

- (2) 10/100/1000Base-T ports
- (2) 10GBase-CX4 ports

Fabric PICMG 3.1 Ethernet interface:

- (4) 10GBase-CX4 ports

Serial console RJ45 port

10/100Base-TX management port

FRU record

Temperature sensor

**Mechanical**

- Conforms to PICMG 3.0 R2.0 (Core) & ECN002

**Power Requirements**

Max Power Dissipation: 0W  
 All power dissipated on ATS1936

**Environmental**

**Operating**

- Temperature: -5° to 55°C
- Humidity (RNC): 10% to 85% non-condensing
- Altitude: 4,000m / 13,000 ft @40°C
- Shock: 10g 11ms half-sine
- Vibration: 5-100Hz @ 1g sine sweep  
 Random 5-20Hz @ 0.01g2/Hz; 20-500 -3dB slope

**Storage and Transit**

- Temperature: -40° to 70°C
- Humidity (RNC): 10% to 90% non-condensing
- Altitude: 12,192m / 40,000 ft
- Shock: 40g 6ms half-sine, 500/axis
- Vibration: 5-50Hz @ ½g 50-100Hz @ 3g sine sweep  
 Random 5-20Hz @ 0.01g2/Hz; 20-500 -3dB slope

**Reliability and Serviceability**

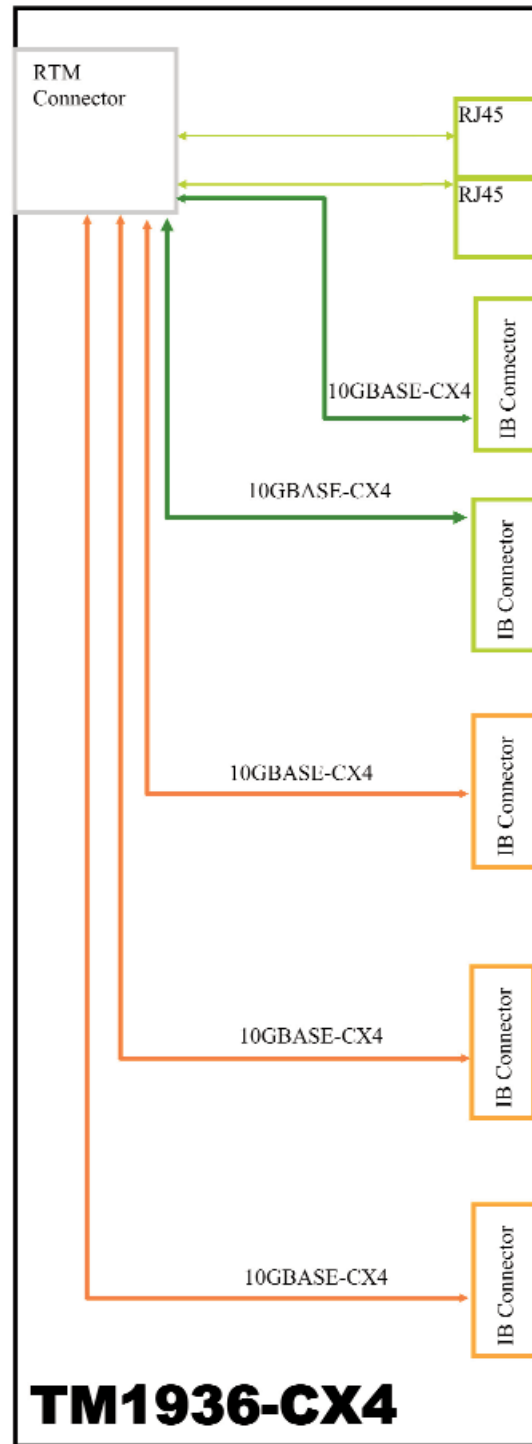
- MTBF: 3,826,338 hours
- 2 year limited warranty

**Regulatory Compliance**

- Designed for NEBS/ETSI Compliance
- CE Certification with national deviations
- Safety: UL/cUL 60950-1:2007; TUV CB EN/IEC 60950-1:2001
- EMI/EMC: FCC 47 CFR Part 15 Class B; EN 55022:2006; EN 55024:1998; VCCI-A

**Ordering Information**

**TM1936-CX4**  
 RTM for the ATS1936



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