

» AM4311 «







Quad SFP Interface Module

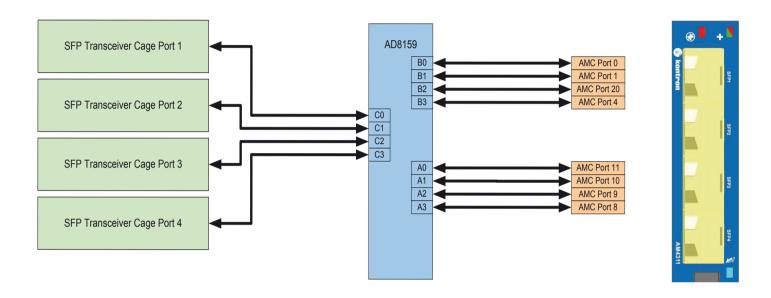
- » Cost optimized design
- » Quad 1000Base-X SFP
- » AMC.0 / AMC.2 compliant
- » Management through IPMI 1.5 implementation

AM4311

Quad 1000Base-X SFP

The AM4311 is a single-width AMC module offering 4x 1000Base-X SFP interfaces at the front panel. The main function of this module is to direct-connect GbE ports from an AMC connector of an AMC carrier or a μ TCA system to the front. The AM4311 selects 4 of 8 GbE ports from the AMC connector.

By using the AM4311 either in a μ TCA system or on an AMC carrier the overall available uplink GbEinterfaces in the system can be increased.



System Interconnect	
Gigabit Ethernet	2x 4 GbE ports: AMC port 0,1, 4, 20 (Quad-Lane A) and AMC port 8, 9, 10, 11 (Quad-Lane B) Either Quad-Lane A or B can be selected via software (IPMI OEM-command) to be directed to the front panel
I2C	1x IPMB-L
Front Interfaces	
Gigabit Ethernet	4x SFP
LEDs	3 AMC management LEDs (Hot Swap, Out-of-Service, Health)
Compliancy	
AMC	PICMG® AMC.0, Advanced Mezzanine Card Specification R2.0 PICMG® AMC.2 AMC Gigabit Ethernet R1.0
MicroTCA	PICMG® MTCA.0 Micro Telecommunications Computing Architecture R1.0
IPMI	IPMI - Intelligent Platform Management Interface Specification, V1.5
CE	EN55022, EN55024, EN61000-6-2/-6-3, EN300386, EN60950-1
Safety	CB report to IEC 60950-1, complies with EN/CSA/UL 60950-1
Electromagnetic Compatibility	CFR 47, FCC Part 15, Subpart B Telcordia GR-1089-Core-Issue 3 and SR-3580 Issue 2 » EMC Directive 89/336/EEC (Europe) » EN55022 (Europe) » EN55024 (Europe) » EN61000-4-2 + A1 + A2 » EN61000-4-3 + A1 » EN300 386 V1.3.3, Electro Magnetic Compatibility (EMC) Requirements for Public Telecommunication Network Equipment; Electromagnetic Compatibility (EMC) Requirements
WEEE	Directive 2002/96/EC
RoHS	Directive 2002/95/E

Technical Information Environmental Temperature Range Operating: 0 °C to +60 °C, at air flow: 20 CFM Non-Operating: -40 °C to +85 °C Operating: 15%-90% (non-condensing) at 0°C to 55°C Non-Operating: 5%-95% (non-condensing) at -40°C to 70°C Humidity Vibration According to IEC 60068-2-6, Bellcore GR-63, Section 4.4 and MIL-STD-810E, Method 514: Operating: » 5Hz to 100Hz: 1G @ 0.25 Octave/minute » 5Hz to 100Hz: 16 @ 0.25 Octave/minute » 5Hz @ 0.01 g2 /Hz to 20 Hz @ 0.02 g2 /Hz (slope up) » 20Hz to 500 Hz @ 0.02 g2 /Hz (flat) » 3.13 g RMS, 10 minutes per axis for all 3 axes » Non-Operating: » 5Hz to 50Hz: 0.56 @ 0.1 Octave/minute » 50Hz to 500Hz: 3G @ 0.25 Octave/minute The board is designed to meet the following requirements IEC 60068-2-27 and MIL-STD-810E, Method 516: » Operating: 30G/11 ms half sine Shock » Non-Operating: 50G, 170 inches/second trapezoidal Miscellaneous Dimensions Single-width, mid-size, 180.6 mm x 73.5 mm Power Supply 12 V Payload Power, 3.3 V Management Power Power Consumption Typ. 4.5 W Board Weight 100 grams MTBF >170,000h@40°C, calculations based on Bellcore/Telcordia SR-332

Ordering Information	
Article	Description
AM4311M	4x SFP Interfaces, single mid-size

CORPORATE OFFICES

Europe, Middle East & Africa

Oskar-von-Miller-Str. 1 85386 Eching/Munich Germany

Tel.: +49 (0)8165/ 77 777
Fax: +49 (0)8165/ 77 279
info@kontron.com

North America

14118 Stowe Drive Poway, CA 92064-7147 USA

Tel.: +1 888 294 4558 Fax: +1 858 677 0898 info@us.kontron.com

Asia Pacific

17 Building,Block #1,ABP. 188 Southern West 4th Ring Road Beijing 100070, P.R.China

Tel.: + 86 10 63751188 Fax: + 86 10 83682438 info@kontron.cn

