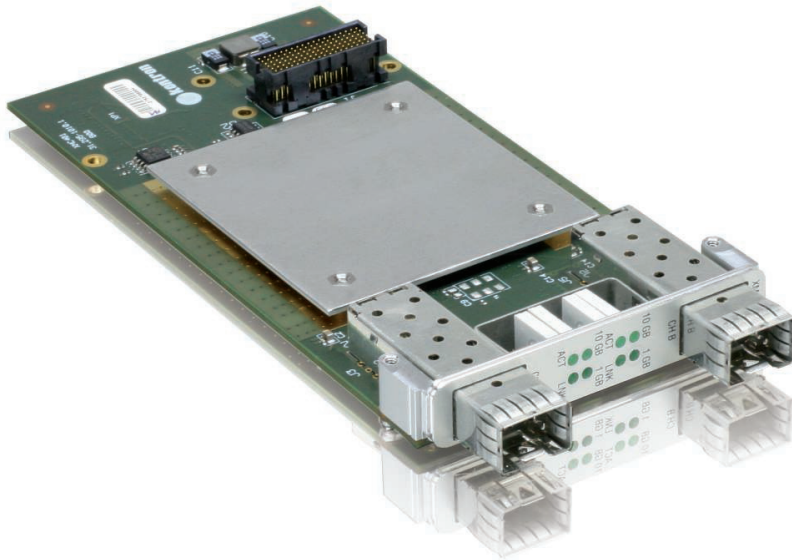


## » XMC401 «



## Dual 10 Gigabit Ethernet Switched Mezzanine Card

- » Outstanding Performance & CPU Offload  
Intel® Niantic 82599ES 10GbE Controller
- » Flexibility  
PCIExpress® x8 Host & SFP+ Ethernet Interface
- » Cost Effective  
Highly Integrated Single Chip Solution

## XMC401

### Dual 10 Gigabit Ethernet Switched Mezzanine Card

Designed for operation in latest high speed networks, the XMC401 provides 2x 10GbE data throughput at full speed.

In addition to the great processing performance on Kontron's CPU side, the next generation 10 Gigabit Switched Mezzanine Card (XMC) provides sufficient data throughput for today's Ethernet networks. Two 10GbE ports attached by PCIe x8 to the host computer, combined with new capabilities and enhancement of the Intel® 82599ES 10 Gigabit Ethernet controller, helps unshackle processors from their predecessor's network

I/O handcuffs and unleashes blazing performance in a variety of usage models. Supporting latest Intel VT technologies, Kontron provides the platform foundation for virtualization and storage over Ethernet usages and provides new opportunities to more efficiently utilize network links. Offering the possibility of either one or two channels as well as the support of copper and/or optical transmission, the XMC401 allows a maximum flexibility. Furthermore, it supports intelligent behaviour through the auto detection feature of copper network configurations.

Technical Information	
<b>Ethernet Controller</b>	Intel® 82599ES (Niantic)
<b>Ethernet Interface</b>	Two 10 Gbit small form factor pluggable (SFP+) interfaces
<b>Host Interface</b>	XMC PCI Express® Gen 2.0 x8 interface
<b>Status LED</b>	8 LEDs for Link activity, Link-up, 1/10 Gb speed
<b>Flash Memory</b>	8 Mbit serial flash device for BOOT ROMs
<b>Serial EEPROM</b>	128kbit serial EEPROM for configuration data 2 kbit serial EEPROM for IPMI FRU data
<b>Power Consumption</b>	7,5 Watt typical
<b>General</b>	According VITA42.0/3/6 IEEE 1386.1-2001 Dimensions : 74 W x 149 D mm, single XMC card Weight : 100gr MTBF: 962421 h MIL-HDBK-217 FN2      Ground Benign 30° 1284865 h Bellcore Issue 6      Ground Benign 30°
<b>Environmental</b>	Operating temp.: 0°C to +55°C Storage temp.: -55°C to +85°C Operating humidity: 93% RH at 40 °C, non-condensing (acc. to IEC 60068-2-78) Operating altitude : 4000 m (13123 ft) above sea level Passive heat sink, forced system air flow
<b>Compliance</b>	Designed to meet or exceed Vibration: DIN/IEC 60068-2-6 Shock: DIN/IEC 60068-2-27 EMC: EN55022 class.B / EN55024 Safety: EN60950-1
<b>Software Support</b>	Linux Windows Server 2003 32/64 Bit Other Drivers on request

Ordering Information		
Article	Part No.	Description
<b>XMC401</b>	1031-3219	Dual 10GbE eXtended Mezzanine Card, SFP+ Cages
<b>KIT-XMC401</b>	1035-5627	Documentation and Windows Driver Software
<b>LIN-BSP-XMC401</b>	1035-5628	Documentation and Linux Driver Software

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