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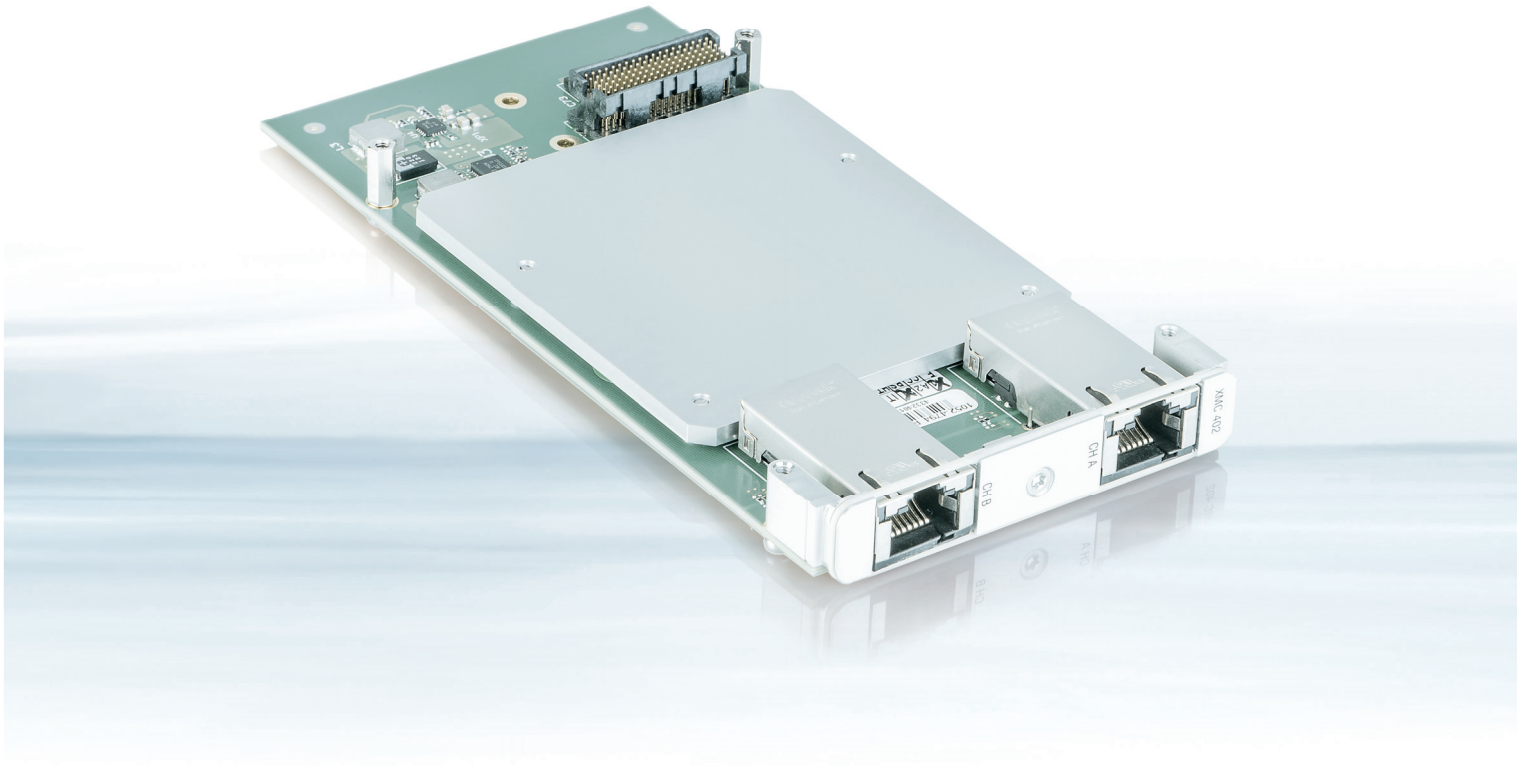
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Find the *Kontron XMC402* at our website: *Click HERE*

XMC402



DUAL 10 GIGABIT ETHERNET SWITCHED MEZZANINE CARD

- outstanding performance & CPU offload
- flexibility
- cost effective

POSSIBILITIES START HERE kontron

XMC402

DUAL 10 GIGABIT ETHERNET SWITCHED MEZZANINE CARD

Designed for operation in high speed networks, the XMC402 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 todays Ethernet networks. Two 10GbE ports attached by PCIe x8 to the host computer, combined with new capabilities and enhancement of the Intel® X540 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 effi ciently utilize network links. Offering the possibility of either one or two channels as well as the support of copper (CAT6A) transmission, the XMC402 allows a maximum flexibility.Furthermore, it supports intelligent behaviour through the auto detection feature of copper network configurations.

TECHNICAL INFORMATION

ETHERNET CONTROLLER	Intel® X540
ETHERNET INTERFACE	Two 10 Gbit RJ45 copper interfaces (10GBASE-T)
HOST INTERFACE	8 LEDs for Link activity, Link-up, 1/10 Gb speed
FLASH MEMORY	8 Mbit serial flash device for BOOT ROMs
SERRAL EEPROM	128 kbit serial EEPROM for configuration data 2 kbit serial EEPROM for IPMI FRU data
POWER CONSUMPTION	7.5 Watt typical
GENERAL	According VITA42.0/3/6 IEEE 1386.1-2001 Dimensions: 74 W x 149 D mm, single XMC card Weight: 100 g
MTBF	1181332 h MIL-HDBK-217 FN2 Ground Benign 30° 1133166 h Bellcore Issue 6 Ground Benign 30°
ENVIRONMENTAL	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 fl ow
COMPLIANCY	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
SOFTWARE SUPPORT	Linux, Windows, VxWorks Other Drivers on request

ORDERING INFORMATION

ARTICLE	DESCRIPTION
XMC402	Dual 10G Base-T eXtended Mezzanine Card
KIT XMC402	Documentation and Windows Driver Software, available on Web
LIN BSP XMC402	Documentation and Linux Driver Software, available on Web
VXW BSP XMC402	Documentation and VxWorks Driver Software, available on Web

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