AMC-420
FPGA Processing AMC Module with FMC Site

- AMC module suitable for use in MicroTCA and AdvancedTCA systems

- Xilinx® Virtex™-6 FPGA for high performance processing

- Choice of on-board memory, QDR-II+ SRAM or DDR3 SDRAM, to suit users application

- FMC site enables a broad range of I/O interfaces to be added to meet application needs

- Range of system-level interconnect options, including Gen2 PCIe, and 1Gb Ethernet

- Building block IP cores delivered to help users quickly get the product up and running

FPGA High-Performance Embedded Processor

Overview

The AMC-420™ FPGA processing module is designed to meet the processing needs of high-performance applications in the telecommunications & networking, video processing and defense markets.

A Xilinx Virtex-6 FPGA enables high performance processing applications to be implemented with low levels of power consumption. Users can choose from two types of on-board memory connected to the Virtex-6 FPGA – QDR-II+ SRAM or DDR3 SDRAM.

Application specific I/O can be added to the AMC-420 via the on-board FMC site.

AMC-420 is part of the Nallatech Embedded Solutions product portfolio, a series of high-performance embedded processing solutions designed for high-reliability and field deployment for demanding applications.

Features

- Mid/Full size AMC designed to PICMG® AMC.0 R2.0

- Xilinx Virtex-6 LX240T FPGA – other devices available on request, including SX315T

- Flexible FPGA Memory Options with up to 1GB DDR3 SDRAM and up to 36MB QDR-II+ SRAM

- Compatible with AMC.2 Gigabit Ethernet: Two 1Gb Ethernet on ports 0-1

- Compatible with AMC.1 PCI Express: Two x4 PCIe Gen 2 links on ports 4-11

- High-pin count FMC site for addition of FPGA I/O including network, analog, digital and video interfaces

- Pigeon Point MMC with integrated IPMI support

- Building block IP cores delivered with product, including memory interfaces

Functional Diagram
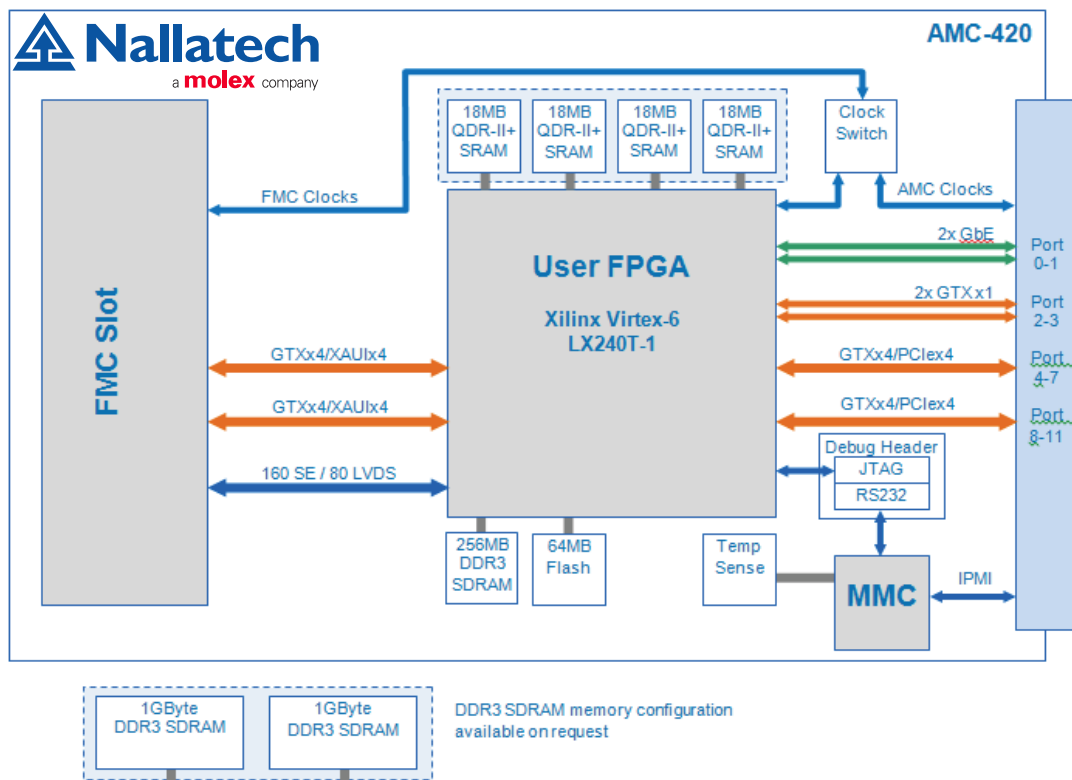
Ordering

Contact us today for AMC-420 availability and ordering information.