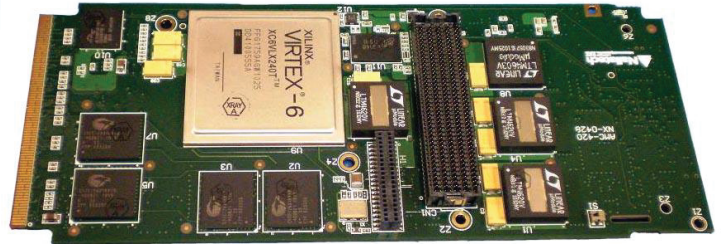


# AMC-420

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



PCI EXPRESS AdvancedMC™ μTCA™



## 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.

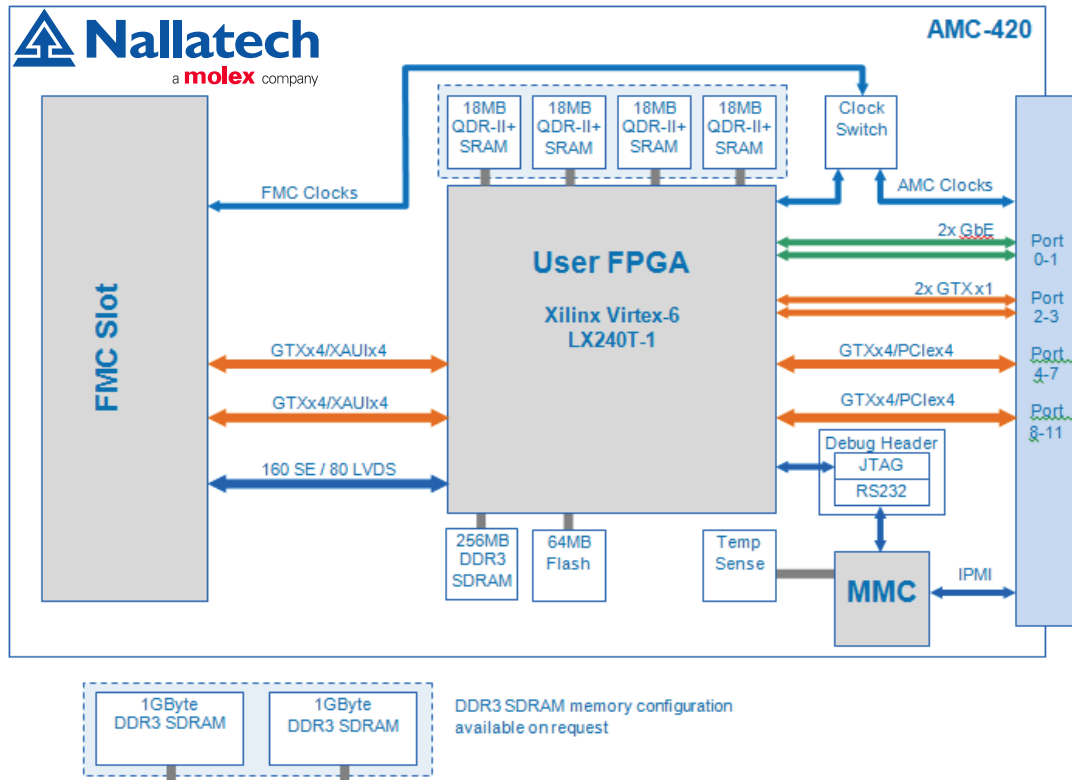
### Features

- 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

The Leader in FPGA  
Accelerated Computing

 **Nallatech**  
a **molex** company

## Functional Diagram



## Ordering

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

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