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## GE Fanuc Intelligent Platforms Announces Telum™ NPA 58x4 4-port Gigabit Ethernet IP Packet Processor AdvancedMC™

Addresses customer requirement for performance, modularity, thermal management

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600MHz Cavium OCTEON™ CN5850 multi-core Secure Communications Processor  
 Single-width module available in either full-size or mid-size form factor  
 Fully optimized Fat Pipes Region  
 Designed for NEBS compliance  
 Comprehensive software support speeds time-to-market

CHARLOTTESVILLE, VA November 20, 2007 Once again leveraging the company's expertise and experience in the development of high performance telecommunications solutions, GE Fanuc Intelligent Platforms today announced the Telum™ NPA-58x4 intelligent high performance 4-port Gigabit Ethernet IP Packet Processor AdvancedMC™. Designed for NEBS compliance, and to fulfill the requirements of demanding applications such as 3G/4G networks and IPTV, the Telum NPA-58x4 enables secure, high speed connectivity and complex security processing for content-aware applications that need wire speed performance. At its heart is the 600MHz Cavium OCTEON™ CN5850 multi-core Secure Communications Processor, enabling the Telum NPA-58x4 to deliver up to 4Gbits/second line-speed packet processing for Layers 2-7.

"GE Fanuc Intelligent Platforms has perhaps the most comprehensive range of secure IP communications and multi-Gigabit processing solutions in the industry, and the announcement of the Telum NPA-58x4 further strengthens our position," said Rubin Dhillon, Communications Product Manager for GE Fanuc Intelligent Platforms "Not only does it respond to our customers' need for superior processing throughput, but also to their requirement for modular solutions that enable them to meet the thermal challenges of their systems by delivering the maximum performance per watt."

Suitable for either AdvancedTCA or MicroTCA platforms, the Telum NPA-58x4 is a single-width module available in either full-size or mid-size form factor. The module can be optionally configured with either four front panel Gigabit Ethernet ports supporting 1000BaseT or 1000BaseSX via Small Form factor Pluggable (SFP) transceivers or four ports of Gigabit Ethernet to the AdvancedMC Extended Options Region to support Rear Transition Module applications. With four Gigabit Ethernet lanes to the Fat Pipes Region, the module is fully optimized to avoid potential bottlenecks. An optional port mapping of AdvancedMC port 10 to port 0 and port 11 to port 1, and two lanes of

Related Products:

- [Telum NPA-58x4](#)



[Telum NPA-58x4 Low Res](#)  
[Telum NPA-58x4 High Res](#)



[Telum NPA-58x4 Low Res](#)  
[Telum NPA-58x4 High Res](#)

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Gigabit Ethernet to AdvancedMC Ports 0 and 1 are provided in the Common Options Region for the control plane to meet certain application requirements.

An IPMI v1.5 compliant AMC.0 Module Management Controller (MMC) subsystem is included with the Telum NPA-58x4, initializing board level parameters, monitoring board voltage and temperature conditions, maintaining system status, and managing hot swap operation for high availability applications.

GE Fanuc Intelligent Platforms provides a comprehensive development package designed to improve time-to-revenue. A Linux Support Package (LSP) and sample application code, designed to exercise the Telum NPA-58x4, are provided to aid in application development. Other operating systems are available on request.

To further improve customer time-to-market, optional software modules such as an IPv4/IPv6 stack, IPSec, QoS management, multicast forwarding, IP filtering, VLAN, L2 tunneling and application programming frameworks will also be available from GE Fanuc Intelligent Platforms and/or its partners.

#### About GE Fanuc Intelligent Platforms

GE Fanuc Intelligent Platforms, a joint venture between General Electric (NYSE: GE) and FANUC LTD of Japan, is a high-performance technology company and a global provider of hardware, software, services, expertise and experience in automation and embedded computing, with products employed in virtually every industry, including manufacturing automation, defense, automotive, telecommunications, healthcare and aerospace. GE Fanuc Intelligent Platforms is a worldwide company head-quartered in Charlottesville, VA, and is part of GE Enterprise Solutions. For more information, visit [www.gefanuc.com](http://www.gefanuc.com)

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