Micro-Server for Cloud Platform Provider

**BUSINESS REQUIREMENTS**
- Low power, high performance micro-server
- SerDes based active backplane
- 2U chassis, Up to 50 processor modules

**OUR SOLUTIONS**
- Octa-core, 2.4GHz, low power Intel Atom processor
- 2x DDR3-L SODIMM per board, On-board SSD, head-less design
- 2.5G SerDes backplane, SFP+ uplink ports

**TOOLS/TECHNOLOGIES**
- x86 architecture, NVMe/ AHCI SSD, UEFI Firmware
- Network boot, Microsoft Windows Server, Linux Server
- OrCAD capture, Allegro PCB designer

**BUSINESS IMPACT**
- Enables the user to enter NFV server domain
- Remote firmware upgrade greatly reduces the server down time
- Processor module can interchangeably be used as a management card

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**SOLUTION OVERVIEW**

Processor Module
- Octa-core, 2.4GHz, low power Intel Atom processor
- 2x DDR3-L SODIMM per board, On-board SSD, head-less design
- 2.5G SerDes backplane, SFP+ uplink ports

Switch Fabric

Cloud Hosting
- PCIe Gen 3
- SFP+
- 10G Uplink

Data center switch

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