

ADLINK ATCA-3100/3120 AdvancedTCA Base/Fabric Interface Switch

Introduction

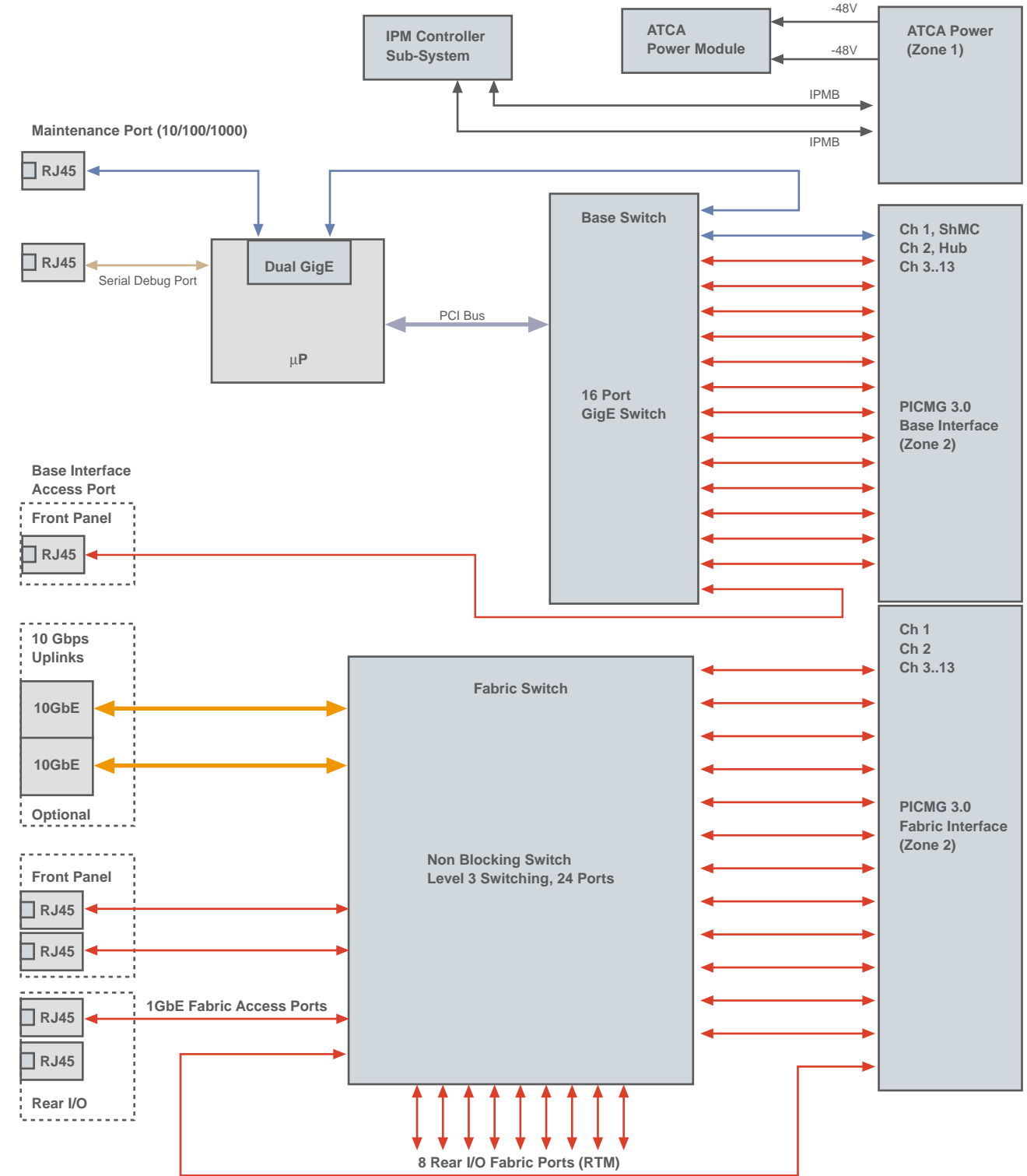
The ATCA-3100/3120 is an AdvancedTCA Hub switch board that combines support for the Base Interface with support for PICMG 3.1 Fabric Interface for ATCA Shelves up to 14 slots (2 Hub slots and 12 Node slots). The Base Interface provides 1000 Base-T Ethernet connections between the Fabric Slot and the node slots. A 1000 Base-T uplink connection is provided on the front panel for access to the Base Interface. The Fabric Interface provides PICMG 3.1 compliant 1000 Base-X Gigabit Ethernet between the Fabric slot and the Node slots on each Fabric slot. Optionally the Fabric switch can support dual redundant 10 Gigabit external uplink ports.



Key Features

- Base Interface
 - 1000Base-TX Gigabit Ethernet
 - Layer 3 Switching
 - Base Interface Support for 14 Node Slots
 - Full Speed Non-Blocking switching (Port to Port)
 - One Front Panel GigE Port (Base Interface Access)
 - Support for Ethernet Shelf Manager Control (ShMC Port)
- PICMG 3.0 ATCA Core Specification
- PICMG 3.1 ATCA Ethernet/Fibre Channel Over PICMG 3.0
- Fabric Interface
 - PICMG 3.1 Compliant
 - 1000Base-X Gigabit Ethernet
 - Layer 3 Switching
 - Supports 14 Slot Shelf
 - Fabric Interface – One Gigabit Ethernet Ports per channel (13 Ports)
 - Full Speed Non-Blocking switching (Port to Port)
 - 3 Front Panel Gigabit Ethernet ports (Fabric Access)
 - 8 Rear I/O Gigabit Ethernet ports (Fabric Access with RTM)
 - Dual Redundant 10 Gigabit Ethernet XFP Uplink Ports (Optional)

Block Diagram



Specifications are subject to change.