Emerson Network Power is a leading provider of communications technology for wireless, switching, signaling, optical networking and other telecom infrastructure applications. Emerson Network Power’s WAN interfaces, CPU boards, network protocols and hardware/software subsystems, utilizing PMC, CompactPCI, AdvancedTCA® (ATCA) and custom platforms, are used in a variety of Teledatacom™ systems, including SS7 signaling systems, signaling gateways, softswitches, wireless base station controllers and DSLAMs.

Emerson Network Power Embedded Computing also is a world leader in designing and manufacturing power conversion solutions for industry-leading OEMs in communications and IT infrastructure markets.

The Power Conversion Division has a broad portfolio of power products that offers complete system solutions, ranging from custom AC/DC and DC/DC front-ends and energy systems to standard board-mounted isolated DC/DC modules, as well as non-isolated point-of-load converters.

Emerson Network Power, formerly Artesyn Communication Products, is a business unit of Emerson Electric Co., which is a public company whose common stock is traded on the New York Stock Exchange.

### Emerson Network Power Embedded Computing AdvancedTCA® and AdvancedMC™ products based on processors from Freescale Semiconductor

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<th>Emerson Network Power Product</th>
<th>Freescale Processor</th>
<th>Function</th>
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<td>Katana®QP</td>
<td>Single or dual MPC7448 host processor, built on Power Architecture™ technology, running at up to 1.4 GHz</td>
<td>Processing blade</td>
<td>WAN access, SS7/SIGTRAN signaling, media gateways, traffic processing, wireless base station controllers</td>
<td>ATCA®</td>
<td>PICMG 3.1 PTMC PICMG 2.15 PrPMC</td>
<td>Carrier grade Linux® OS Wind River VxWorks®</td>
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<tr>
<td>KAT4000</td>
<td>MPC8548E PowerQUICC® III processor at 1.0 GHz</td>
<td>ATCA carrier</td>
<td>Control and packet processing, signaling gateways, media gateways</td>
<td>ATCA</td>
<td>PIGMG 3.1 AMC.2</td>
<td>Carrier grade Linux OS Wind River VxWorks</td>
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Katana®QP
Processing blade
- Single or dual Freescale MPC7448 host processor, built on Power Architecture™ technology, at up to 1.4 GHz
- Up to 2 GB DDR SDRAM w/ECC in SO-DIMM package
- Up to 64 MB linear flash memory
- Two-way SMP architecture
- ATCA PICMG 3.1 Node
  (1000Base-T interface + octal high speed Gigabit Ethernet fabric interface)
- Layer 2/3 Ethernet switch option
- Quad PMC expansion sites
- Redundant system management bus with IPM controller
- Real-time clock with supercap backup
- Wind River VxWorks® and carrier grade Linux® OS

KAT4000
AdvancedTCA carrier
- Freescale MPC8548E PowerQUICC® III processor at 1.0 GHz (optional)
- AMC carrier with up to four AMC modules
- Up to 2 GB DDR2 SDRAM (optional)
- Up to 1 GB flash memory (optional)
- Ethernet and PCI Express® switches for the AMC common options region
- Flexible modular fat pipe switch module
  - Gigabit Ethernet (GbE)
  - 10 GbE/1 GbE
- AMC connections:
  - Up to two GbE to Ports 0 and 1 in common options region
  - One PCI Express to Port 1 in common options region
  - Ports 4–7 to fat pipes switch
- Flexible modular fat pipe switch module (10 GbE/1 GbE)
- Carrier grade Linux OS