



RadiSys Embedded Solutions—Com Express®, Motherboards, and Servers

RadiSys is the leading provider of advanced embedded solutions for the communications, networking, and commercial systems markets. Through intimate customer collaboration, combining innovative technologies and industry leading architecture, RadiSys helps OEMs, systems integrators, and solution providers bring better products to market faster and more economically. RadiSys products include embedded boards, application enabling platforms, and turn-key systems, which are used in today's complex computing, processing, and network intensive applications.

Features ▶

- Procelerant™ COM Express®—COM Express module based on PICMG—open standard with application specific I/O baseboards
- Procelerant Endura Motherboards—long-life industrial motherboards, including small form factor
- Procelerant Embedded Servers—complete turn-key servers available for a wide variety of applications

Benefits ▶

- COM Express—long life (5+ years), small form factor, PCI, PCI Express, serial ATA, and 10/100/1,000 Ethernet
- Motherboards—long life (5 years to 7 years), revision control, rugged design, customizable BIOS, and embedded feature set
- Embedded Servers—single-, dual-, or quad-core processors, various form factors, and long product life-cycle

Applications ▶

- COM Express—medical, test and measurement, gaming, and kiosk
- Motherboards—medical, test and measurement, industrial control, transaction terminals, military, and enterprise
- Embedded Servers—medical, imaging, test and measurement, security, industrial automation, and enterprise

Product Specifications ▶

Type	Part Number	Form Factor	Processor or Processor Support	Memory
Procelerant™ Product Family				
COM Express®	CE945GM2-L74-0	COM Express, basic size, type 2 module	Core™ 2 Duo, 1.5 GHz LV Pentium® M, L7400, OGB	4 GB max.
	CE945GM2-T25-0	COM Express, basic size, type 2 module	Core™ Duo, 2 GHz Pentium® M, T2500	4 GB max.
	CE945GM2-L24-0	COM Express, basic size, type 2 module	Core™ Duo, 1.66 GHz LV Pentium® M, L2400, OGB	4 GB max.
	CE945GM2-423-0	COM Express, basic size, type 2 module	Single-core, 1.06 GHz, Celeron® M 423	4 GB max.
	CE915	COM Express, type 2 basic	2.0, 1.40 Pentium® M, or 1.0, 1.5 Celeron®	2 GB max.
Endura Motherboards				
Motherboard	EM945G	uATX	Pentium® 4, Celeron® D, FSB: 800/533 MHz	4 GB max.
	RB945G	ATX	Pentium® 4, Celeron® D, FSB: 800/533 MHz	4 GB max.
	OP945G	uBTX	Pentium® 4, Celeron® D, FSB: 800/533 MHz	4 GB max.
	TP945GM	Mini-ITX	Celeron® M ULV 423 1.06 GHz	4 GB max.
	BY915GV	uATX	Pentium® 4, Celeron® D, FSB: 800/533 MHz	4 GB max.
	LR915G	uATX	Pentium® 4, Celeron® D, FSB: 800/533 MHz	4 GB max.
	KP915GV	ATX	Pentium® 4, Celeron® D, FSB: 800/533 MHz	4 GB max.
	AB915GM	FlexATX	Pentium® M, Celeron® M, FSB: 533/400 MHz	2 GB max.
	LS855	uATX	Pentium® M, Celeron® M, FSB: 533/400 MHz	2 GB max. with ECC support
	SH845GV	ATX	Pentium® 4, Celeron®, FSB: 533/400 MHz	2 GB max.
	BG845GV	uATX	Pentium® 4, Celeron®, FSB: 533/400 MHz	2 GB max.
	CH815C	uATX	Pentium® III/Celeron®	512 MB max.
	GL815E	ATX	Pentium® III/Celeron®	512 MB max.
SC815E	FlexATX	Pentium® III/Celeron®	512 MB max.	
Embedded Servers				
Embedded server	RMS420-5000XI-007	Quad-core, 4U rack-mount server	2x quad-core Xeon® 2.33 GHz	2 GB max.
	RMS420-5000XI-005	4U rack-mount server	2x dual-core Xeon® 2.33 GHz	2 GB max.
	RMS420-945RB	4U rack-mount server	3.4 GHz Pentium® 4 Processor 341	4 GB max.
Other				
Chip set	R380EX-02-R	Integrated chipset for the 386—RoHS-compliant	NA	NA
	R400EX-02-R	Integrated chipset for the 486—RoHS-compliant	NA	NA



RadiSys AdvancedTCA Product Family

The RadiSys strategy delivers a common managed platform for network element and data plane applications. The Promentum® SYS-6010 is the industry's first ATCA 10 Gigabit managed platform. It is a fully-integrated and validated managed platform designed to address high-speed I/O and bandwidth intensive applications implemented in a flexible and reliable architecture.



Features ▶

The RadiSys Promentum® ATCA (AdvancedTCA) family includes a fully integrated application ready platform and modular building blocks configured for multiple applications

Benefits ▶

Going beyond simple building blocks, the RadiSys ATCA strategy delivers a common managed platform for network and data-plane applications; by utilizing the same managed platform for a variety of applications, telecom equipment manufacturers (TEMs) can reduce overall development time by up to 50 percent and significantly reduce development, lifecycle, and equipment costs

Applications ▶

IPTV, IMS, radio network controllers (RNC), session border controllers (SBC), WiMAX, and media gateways (MGW), network appliance, packet inspection

Product Specifications ▶

Type	Part Number	Description
Promentum™ ATCA Platforms and Building Blocks		
SYS-6000 Configured System Product Family		
1 GbE	SYS6K-CFG001	ATCA, 12U x 14 slots
10 GbE	SYS6010-CFG01	ATCA, 12U x 14 slots
	SYS6010-CFG01-L3	ATCA, 12U x 14 slots
	SYS6006-CFG01	ATCA, 5U x 6 slots
Hardware building blocks and line cards	ATCA-1200	Managed quad-AMC carrier
	ATCA-2100	Fibre channel switch and control module
	ATCA-2210	10 GB switch and control module
	ATCA-3000	Fibre-channel 147 GB storage
	ATCA-3100	Dual 300 GB fibre channel storage
	ATCA-4000	Dual Intel® 2.0 GHz dual-core LV Xeon® processor blade (Prestonia)
	ATCA-4200	Dual Intel® 2.8GHz LV Xeon® processor blade (Nocona)
	ATCA-4300	Dual Intel® 2.0GHz dual-core LV Xeon® processor blade (Sossaman)
	ATCA-7010	Dual IXP-28xx network processor blade
	ATCA-7200	Quad-gigabit Ethernet AMC, line card
	ATCA-7800	PowerPC dual-core processing line card
	ATCA-6006	5U, 6-slot chassis
	ATCA-6000	12U, 14-slot chassis
	AMC-7211	Quad-gigabit Ethernet AMC
	AMC-8202	Dual-core Freescale MCP8641D PowerPC processor AMC
	AMC-3201/3202	SAS/SATA disk AMC