

COM EXPRESS

SELECTOR GUIDE

Updated: New Products!
FEBRUARY 2010



RadiSys
THE POWER OF WE

MODULE COMPARISON MATRIX



PRODUCT NAME	COMMERCIAL TEMP								EXTENDED TEMP PRODUCTS				
	CEQM57-ECC	CEQM57-ECC	CEQM57	CEGM45	CEGM45	CEGM45	Procelerant Z500	CEZ5XL	CEZ5XL	CEZ5XT	CEGSXT	CEGSXT	CEQM57XT
Size	95 x 125mm	95 x 125mm	95 x 125mm	95 x 125mm	95 x 125mm	95 x 125mm	85 x 70mm	95 x 125mm	95 x 125mm	85 x 70mm	95 x 125mm	95 x 125mm	95 x 125mm
COM Express Type	Type 2	Type 3	Type 2	Type 2	Type 2	Type3	Type 2 compatible	Type 2	Type 2	Type 2 Compatible	Type2	Type3	Type 2
Processor	Intel Core™ i7 and Intel Core™ i5	Intel Core™ i7	Intel Core™ i7 and Intel Core™ i5	Intel Core 2 Duo and Intel Celeron®-M	Intel Core 2 Duo and Intel Celeron®-M	Intel Core 2 Duo	Intel® ATOM® Z530 and Intel® ATOM® Z510	Intel® ATOM® Z530P	Intel® ATOM® Z520PT	Intel® ATOM® Z530 and Intel® ATOM® Z510	Intel Core 2 Duo	Intel Core 2 Duo	Intel Core™ i7 and Intel Core™ i5
Hyperthreading	Yes	Yes	Yes	No	No	No	Yes/No	Yes	Yes	Yes/No	No	No	Yes
Processor Speed	610E 2.53GHz 520E 2.4GHz	610E 2.53GHz	610E 2.53GHz 620LE 2.0GHz 620UE 1.06GHz 520E 2.4GHz	T9400 2.53GHz P8400 2.26GHz T3100 1.9GHz	SP9300 2.26GHz SL9400 1.86GHz SU9300 1.2GHz ICP722 1.2GHz	SP9300 2.26GHz	1.6GHz 1.1GHz	1.6GHz	1.33GHz	1.6GHz 1.1GHz	SP9300 2.26GHz SL9400 1.86GHz SU9300 1.2GHz	SP9300 2.26GHz	620LE 2.0GHz 620UE 1.06GHz
Processor TDP	35W	35W	35W/25W/ 18W/35W	35W	25W/17W/ 10W/5.5W	25W	2.3W	2.3W	2.3W	2.3W	25W/17W/10W	25W	25W/18W
Cache	4MB/3MB	4MB	4MB/4MB/ 4MB/3MB	6MB/3MB/ 1MB	6MB/6MB/ 3MB/1MB	6MB	512KB	512KB	512KB	512KB	6MB/6MB/3MB	6MB	4MB
Front Side Bus	1067MHz	1067MHz	1067MHz 1067MHz 800MHz 1067GHz	1067MHz 1067MHz 800MHz	1066MHz 1066MHz 800MHz 800MHz	1066MHz	533MHz 400MHz	533MHz	533MHz	533MHz 400MHz	1066MHz 1066MHz 800MHz	1066MHz	1067GHz
Chipset	QM57	QM57	QM57	GM45 and ICH9M	GS45 and ICH9M	GS45 and ICH9M	US15W	US15WP	US15WPT	US15W	GS45 and ICH9M	GS45 and ICH9M	QM57
Memory Implementation	2 SODIMMs Dual-Channel	2 SODIMMs Dual-Channel	2 SODIMMs Dual-Channel	2 SODIMMs Dual-Channel	2 SODIMMs Dual-Channel	2 SODIMMs Dual-Channel	Memory down, 8 devices	Memory down, 8 devices	Memory down, 8 devices	Memory down, 8 devices	2 SODIMMs Dual-Channel	2 SODIMMs Dual-Channel	2 SODIMMs Dual-Channel
Max Memory	8GB	8GB	8GB	8GB	8GB	8GB	2GB	2GB	2GB	2GB	8GB	8GB	8GB
Memory Type	ECC DDR3	ECC DDR3	DDR3	DDR3	DDR3	DDR3	DDR2	DDR2	DDR2	DDR2	DDR3	DDR3	DDR3
LVDS	2	2	2	1	1	1	1	1	1	1	1	1	2
SDVO	Option	Option	2	2	2	2	1	1	1	1	2	2	2
VGA	1	1	1	1	1	1	None	None	None	None	1	1	1
TVOut	1	1	1	1	1	1	None	None	None	None	1	1	1
Networking	Gigabit Ethernet	Dual Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Dual Gigabit Ethernet	Gigabit Ethernet Option	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet Option	Gigabit Ethernet	Dual Gigabit Ethernet	Gigabit Ethernet
PCI	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	32-bit 33MHz	None	32-bit 33MHz	32-bit 33MHz
IDE	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
PCI Express	6 PCIe x1 1 PCIe x16	6 PCIe x1 1 PCIe x16	6 PCIe x1 1 PCIe x8	5 PCIe x1	5 PCIe x1	4 PCIe x1	2 PCIe x1	5 PCIe x1 + 1 Full-Bandwidth PCIe x1	5 PCIe x1 + 1 Full-Bandwidth PCIe x1	2 PCIe x1	5 PCIe x1	4 PCIe x1	6 PCIe x1 1 PCIe x8
PCIE x16	Yes-Mixed with eDP port	Yes-Mixed with eDP port	Option	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Option
USB 2.0	8	8	8	8	8	8	8	8	8	8	8	8	8
SATA	4	4	4	4	4	4	1-Option	1	1	1-Option	4	4	4
LPC	1	1	1	1	1	1	1	1	1	1	1	1	1
SM/I2C Bus	1	1	1	1	1	1	1	1	1	1	1	1	1
Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio	HD Audio
Other Storage	MicroSD Socket Option	MicroSD Socket Option	SSDDR3	None	MicroSD Socket	MicroSD Socket	MicroSD Socket	MicroSD Socket Option, PATA SSD (8GB)	MicroSD Socket Option, PATA SSD (8GB)	MicroSD Socket	None	None	SSDDR3
Other	TPM	TPM	TPM										TPM
Operating Temp	0 to 60°C	0 to 60°C	0 to 60°C	0 to 60°C	0 to 60°C	0 to 60°C	0 to 60°C	0 to 60°C	-40 to + 85°C	-25 to + 70°C	-25 to + 70°C	-25 to + 70°C	-25 to + 70°C



CEQM57



CEGM45



Procelerant Z500



CEZ5XL



CEZ5XT



CEGSXT



CEQM57XT

COM EXPRESS APPLICATIONS

- Medical Imaging & Devices
- Industrial Automation
- Test & Measurement
- Networking Systems
- Infotainment
- Military

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