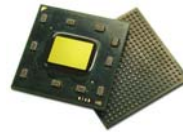
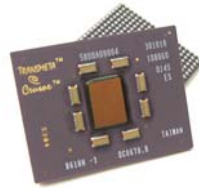


Transmeta™ Efficeon™ and Crusoe™ Processors



Transmeta Processor Model	Crusoe TM5800	Crusoe TM5900	Efficeon TM8600	Efficeon TM8620	Efficeon TM8800
Processor Speed	667 MHz - 1.0 GHz	800 MHz - 1.0 GHz	1.0 GHz - 1.1 GHz	1.0 GHz - 1.1 GHz	1.4 GHz - 1.6 GHz
On-die L1 Instruction Cache	64 KB	64 KB	128 KB	128 KB	128 KB
On-die L1 Data Cache	64 KB	64 KB	64 KB	64 KB	64 KB
On-die L2 Write-Back Cache	512 KB	512 KB	1 MB	1 MB	1 MB
System Bus	PCI	PCI	HyperTransport™	HyperTransport	HyperTransport
System Bus Speed	33 MHz	33 MHz	400 MHz	400 MHz	400 MHz
Aggregate I/O Total Bandwidth	266 MB/sec	266 MB/sec	1.6 GB/sec	1.6 GB/sec	1.6 GB/s
Multimedia Instruction Support	MMX	MMX	MMX, SSE-SSE2	MMX, SSE-SSE2	MMX, SSE-SSE2
VLIW Processor Engine	128-bit	128-bit	256-bit	256-bit	256-bit
Instructions Issued Per Clock Cycle	Up to 4	Up to 4	Up to 8	Up to 8	Up to 8
On-die Integrated Northbridge Functionality	Yes	Yes	Yes	Yes	Yes
Integrated memory controller	SDR, DDR 266	DDR 266	DDR 266, 333	DDR 266, 333	DDR 226, 333
Support for ECC memory	No	No	Yes	Yes	Yes
Integrated AGP 1X, 2X & 4X graphics interface	No	No	Yes	Yes	Yes
Full x86 Software and OS Compatibility	Yes	Yes	Yes	Yes	Yes
LongRun™ Thermal & Power Management	Yes	Yes	Yes - Enhanced	Yes - Enhanced	Yes - Enhanced
AntiVirusNX™ Technology	No	No	No	No	Yes
Process Geometry	TSMC 130nm	TSMC 130nm	TSMC 130nm	TSMC 130nm	Fujitsu 90nm
Package Size	32.5mm x 25mm	21mm x 21mm	29mm x 29mm	21mm x 21mm	29mm x 29mm
Junction Temperature (Tj)	Up to 100° C	Up to 100° C	Up to 100° C	Up to 100° C	Up to 100° C
Package Type	474-pin Ceramic BGA 1.27mm ball pitch	399-pin FC-OBGA 1mm ball pitch	783-pin OBGA with 1mm ball pitch	592-pin OBGA with 0.8mm ball pitch	783-pin OBGA with 1mm ball pitch

Corporate Overview

Reshaping the Industry through Efficient Computing

Located in Santa Clara, California, Transmeta Corporation designs, develops and sells highly energy efficient microprocessors that deliver a compelling balance of long battery life and high performance. Transmeta processors are designed to maximize computing performance in environments where energy efficiency is important. This in turn allows manufacturers to design new and innovative devices that were not previously possible; devices including highly-mobile handheld ultra-personal computers (UPCs), ultra-portable notebooks that are nearly half an inch thick and dense blade servers that offer more performance by incorporating more processors into tighter spaces.

Optimized for energy efficiency, Transmeta Efficeon™ and Crusoe™ processors include a number of advanced features. The highly integrated nature and small footprint of Crusoe and Efficeon processors facilitates compact, thin and very light computer designs. Transmeta's LongRun™ dynamic power management technology adjusts processor operating frequency and voltage based upon application performance workloads, reducing heat for quiet, fanless operation and further extends battery life. A unique and innovative approach to design allows Transmeta to incorporate the latest technologies such as AntiVirusNX™, a cutting-edge security technology that detects and prevents attempts by attackers to spread malicious virus content. These are just a few examples of how Transmeta's leadership in efficient computing continues to drive product and technology innovation.



For more information, visit www.transmeta.com

UNITED STATES & EUROPE

Transmeta Corporation
 World Headquarters
 3990 Freedom Circle
 Santa Clara, CA 95054 USA
 Tel: (408) 919-3000
 For US Sales Inquiry: sales@transmeta.com
 For Europe Sales Inquiry: sales-eur@transmeta.com
www.transmeta.com

JAPAN

Transmeta Japan
 KDDI Bldg Annex 3F
 2-3-3 Nishi-Shinjuku
 Shinjuku-ku Tokyo 160-0023
 Japan
 Tel: +81-3-5325-9580
sales-jp@transmeta.com
www.crusoe.jp

TAIWAN

Transmeta Taiwan
 7F-1, No.167,
 Fu-Hsing North Road
 Taipei, Taiwan
 R.O.C. 105
 Tel: +886-2-2718-0999
sales-tw@transmeta.com
www.transmeta.com.tw

CHINA

Transmeta Shanghai
 Room 1202,
 Lansheng Building,
 No.8, Huai Hai Zhong Road
 Shanghai, P.R.C.
 Tel: +86-21-63191576
sales-sh@transmeta.com
www.transmeta.com.cn

KOREA

Transmeta Korea
 602-603 Imae-Dong,
 Bundang-Gu,
 SeungNam City, Kyunggi-Do,
 463-905 Korea
 Tel: +82-19-321-1042
sales-kr@transmeta.com



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