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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Intel Core i5 Mobile i5-2510E

General information

Type	CPU / Microprocessor
Market segment	Mobile
Family	Intel Core i5 Mobile
Model number	I5-2510E
CPU part number	FF8062700853304 (SR02U)
Frequency (MHz)	2500
Turbo frequency (MHz)	3100
Clock multiplier	25
Package	988-pin micro-FCPGA10 (rPGA988B)
Socket	Socket G2 (rPGA988B)

Architecture / Microarchitecture

Microarchitecture	Sandy Bridge
Manufacturing process	0.032 micron High-K metal gate process
Data width	64 bit
Number of cores	2
Floating Point Unit	Integrated
Level 2 cache size	2 x 256 KB
Level 3 cache size	3 MB
Physical memory (GB)	8

Features

- MMX instruction set
- SSE
- SSE2
- SSE3
- Supplemental SSE3
- SSE4.1
- SSE4.2
- AES instructions
- Advanced Vector Extensions
- Extended Memory 64 technology (EM64T)
- Execute disable bit
- HyperThreading technology
- Turbo Boost technology 2.0
- Virtualization technology (VT-x/VT-d)
- Trusted Execution technology

Low power features	Enhanced SpeedStep technology
On-chip peripherals	<ul style="list-style-type: none">• Integrated dual-channel DDR3 SDRAM Memory controller• Graphics controller

Electrical/Thermal parameters

Thermal Design Power (W)	35
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Notes on Intel FF8062700853304

- Embedded microprocessor
- Integrated graphics controller runs at 650 MHz, and up to 1.1 GHz in Turbo mode
- Memory controller supports DDR3-1066 and DDR3-1333 memory