

WCOS-D5253

Intel® ATOM base COM-Express Compact modules with DDR3 SDRAM, VGA, Gigabit Ethernet, SATA and USB.



Product Specification

System Processor/Chipsets	
Processor	Intel® ATOM processors D525/D425/N455
FSB	BGA
Chipset	Intel® D525/D425/N455 + ICH8M
BIOS	Award
Memory	
Technology	Dual channel DDR3 667/800 MHz SO-DIMM
Max. Capacity	Up to 4GB DDR3 DRAM
Socket	1 x DDR3 SO-DIMM
Display	
Chipset	Intel D525/D425/N455 integrated
VRAM	Shared with system memory
Resolution	Analog Display: Up to 2048 x 1536
Dual Display	CRT+LVDS
Ethernet	
Interface	10/100/1000 Mbps
Controller	LAN1: Realtek 8111E
Audio	
Interface	High Definition Audio
Controller	Realtek ALC662 HD CODEC
SATA	
Max. Data Transfer Rate	300 MB/s
Port	3
IO	
CRT	1
LVDS	1
PCIex1	5
USB 2.0	8
SATA	3
HD Audio interface	1
LAN	1
Watchdog Timer	1
Hardware Monitor	1
PCI Bus	4
Power	
Power Type	1
Power Supply	+5V (+5V Vsb for ATX)
Watchdog Timer	
Interval	Programmable 1~255 sec.

Features

- Support Intel® Atom D525 1.8GHz dual-core Processor and ICH8M
- 1x DDR3 SO-DIMM support up to 4GB DDR3 800MHz SDRAM
- Support MPEG2 Decode in HW
- Support four PCI, two SATA II, eight USB 2.0,

Output	System reset
Environment	
Operating Temp.	-5°C~60°C (23°F~140°F)
Storage Temp.	-20°C~80°C (-68°F~176°F)
Relative Humidity	0%~95% (non-condensing)
Form Factor	
Dimension (LxW)	95mm x 95mm (3.74" x 3.74") COM-Express Compact Module

Ordering Information

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Intel® ATOM D525 1.8GHz Processor, COM Express with 1xDDR3 SO-DIMM up to 4GB, 1xGigabit Ethernet .