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1. Intel® Atom™ D525 (Pineview-D) Dual Core, 1.8GHz (13W) processor
2. Intel® ICH9R Express Chipset
3. Up to 4GB single channel unbuffered, non-ECC DDR3 800MHz SO-DIMM
4. Dual Intel 82574L Gigabit LAN ports
5. 6x SATA (3.0Gbps) Ports RAID 0, 1, 5, 10 (Windows Only)
6. 1 (x4) PCIe 2.0 (in x16) slot
7. 8x USB 2.0 ports (2 rear ports + 5 via headers + 1 Type A connector)
8. Integrated Matrox G200eW Video
9. Integrated IPMI 2.0 - share LAN1
10. DOM Power connector

- ▶ [Tested Memory List](#)
- ▶ [Motherboard Manual](#)
- ▶ [Update Your BIOS](#)
- ▶ [IPMI Firmware](#)
- ▶ [Download the Latest Drivers and Utilities](#)

Product SKUs	
MBD-X7SPA-HF-D525 -O	▪ X7SPA-HF-D525 (Standard Retail Pack)
MBD-X7SPA-HF-D525 -B	▪ X7SPA-HF-D525 (Bulk Pack)
Physical Stats	
Form Factor	▪ Mini ITX
Dimensions	▪ 6.7" x 6.7" (17.02cm x 17.02cm)
Processor/Cache	
CPU	▪ Intel® Atom™ D525 processor
System Bus	▪ DMI
System Memory	
Memory Capacity	▪ Two 204-pin SO-DIMM sockets ▪ Supports up to 4 GB of unbuffered, non-ECC DDR3 800MHz SO-DIMM (Single Channel) ▪ Some 1066MHz and 1333MHz memory can be used, but will operate at 800MHz
Memory Type	▪ DDR3 800MHz unbuffered, non-ECC SO-DIMM
DIMM Sizes	▪ 2GB, 1GB
Memory Voltage	▪ 1.5V only
On-Board Devices	
Chipset	▪ Intel ICH9R Express chipset ▪ Dual Intel 82574L G-bit ethernet controller
SATA	▪ Intel ICH9R SATA 3.0Gbps Controller ▪ RAID 0, 1, 5, 10 support (Windows Only)
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ▪ Winbond® WPCM450 BMC
Network Controllers	▪ Dual Intel 82574L Gigabit Ethernet LAN ▪ Supports 10BASE-T, 100/1000BASE-TX, RJ45 output
Graphics	▪ Matrox G200eW video
Super I/O	▪ Winbond 83627DHG chip
Input / Output	
Serial ATA	▪ 6 Serial ATA ports (3Gbps)
LAN	▪ 2x RJ45 LAN port
USB	▪ 8x USB 2.0 / 1.1 compatible ▪ 2 rear + 3 headers (5 ports) + 1 Type A connector
VGA	▪ D-Sub 15
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Ports	▪ 1x Fast UART 16550 serial port ▪ 1x Serial Header
System BIOS	
BIOS Type	▪ 8Mb Flash EEPROM with AMI BIOS
BIOS Features	▪ Plug and Play (PhP) ▪ DMI 2.3 ▪ PCI 2.2 ▪ ACPI 1.0 / 2.0 / 3.0 ▪ USB Keyboard support ▪ SMBIOS 2.3
OS Compatibility	
• Please see our OS Compatibility Chart	

Note: For optimized or compatible chassis, additional parts may be required, please check with Supermicro sales rep

Standard Retail Package			
	Part Number	Qty	Description
X7SPA-HF-D525	MBD-X7SPA-HF-D525 -O	1	X7SPA-HF-D525 Motherboard
I/O Cable 1	CBL-0044L	2	57.5CM SATA FLAT S-S PBF
Screw Bag	FST-SCRW-0010	1	STAND-OFF, H=3MM, 2PCS/BAG
I/O Shield	MCP-260-00039-0N	1	STANDARD SIZE I/O SHIELD FOR X8SIA
Manual	X7SPA-HF-D525 Manual	1	X7SPA/X7SPE QUICK REFERENCE GUIDE

Note: Items in a Standard Retail Package may differ from items in a Standard Bulk Package.