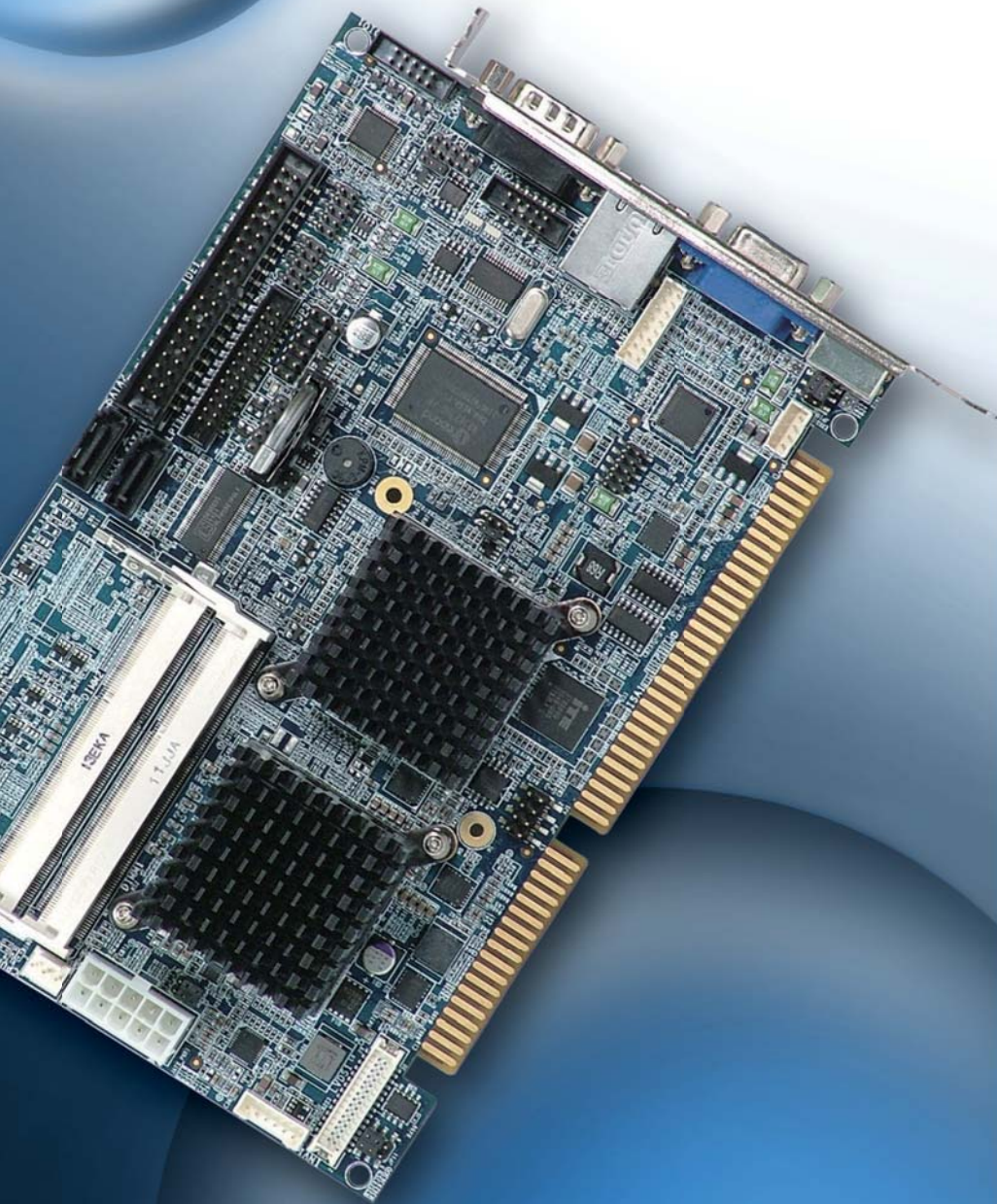


# SBC



## ISA-825LF

ISA Intel® Atom™ N455/  
D525 CPU half card w/  
VGA/ LVDS/ Audio/ LAN

### Features :

- Support Intel® Atom™ N455  
1.66GHz / D525 1.8GHz processor
- Memory Support DDR3 SO-DIMM  
800 MHz SDRAM up to 4GB
- Support 10/100/1000 Mbps  
Ethernet
- Fanless Solution (N455)
- Compact flash/ IDE interface for  
option



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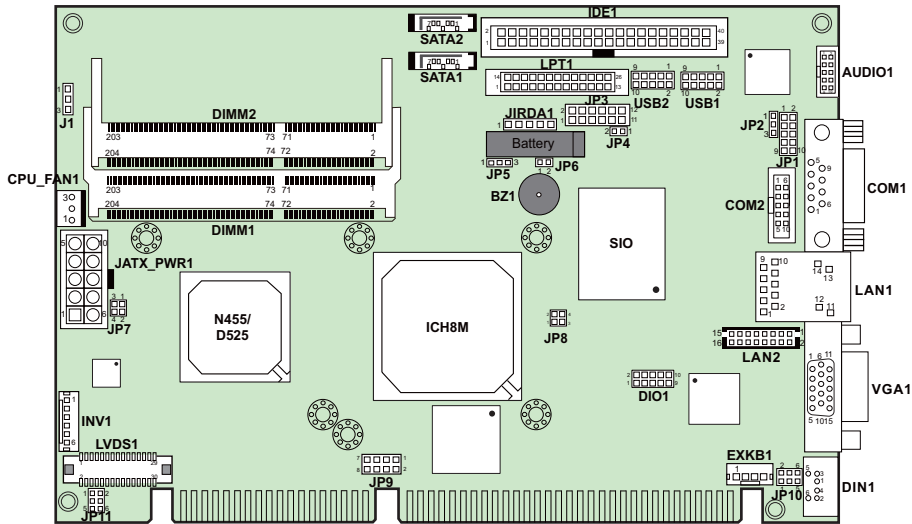


ISO CERTIFIED

9001 14001

# ISA-825LF

ISA Intel® Atom™ N455/ D525 CPU half card w/ VGA/ LVDS/ Audio/ LAN



## Specifications

System	
<b>CPU Support</b>	Intel® Atom™ N455 / D525 processor
<b>CPU Frequency</b>	N455 (1.66GHz) / D525 (1.8GHz)
<b>DRAM</b>	2 x 204Pin DDR3 SO-DIMM to support 667MHz (N455) / 800 MHz (D525) up to 4GB
<b>BIOS</b>	AMI BIOS
<b>Watchdog</b>	1~255 secs Watchdog timer selectable
<b>Power Supply</b>	Support AT/ATX Power
<b>Power Requirement</b>	+5V, +12V
<b>Power Consumption</b>	+5V : 0.63A , +12V : 0.58A
<b>Dimension</b>	185 mm x 122 mm (7.28" x 4.8")
<b>Certificate</b>	FCC / CE

## I/O Chipset

<b>SATA Interface</b>	2 x S-ATA connector
<b>IDE Interface</b>	1 x IDE connector with 40-pin Pin header on board, (D525)
<b>SSD</b>	1 x compact flash slot (IDE), (N455)
<b>Serial Port</b>	2 x COM port, 16550 UARTs RS-232, COM 1 for RS-232, COM 2 for RS-232/422/485
<b>Parallel Port</b>	1 x parallel port (SPP / EPP / ECP)
<b>IrDA</b>	1 (SIR)
<b>Keyboard</b>	Mini DIN connector or external connector

<b>Mouse</b>	Mini DIN connector (selectable w / KB) or Y-cable
<b>LAN</b>	LAN1: Intel 82567V GbE LAN2: Intel 82583V GbE, (N455) Supports Wake-on-LAN with ATX power
<b>Audio</b>	HD Audio, Realtek ALC 888S
<b>DI/O</b>	4 in / 4out
<b>USB</b>	4 x USB 2.0

## Display

<b>Graphics</b>	Build-in N455 / D525 processor, share system memory ; Supports VGA, LVDS
<b>LCD Interface</b>	18 bit LVDS

## Environment

<b>Operation Temp.</b>	0° ~ 60° C ( 32° ~ 140° F )
<b>Storage Temp.</b>	- 40° ~ 85° C ( - 40° ~ 185° F )
<b>Humidity</b>	Operation humidity 20 ~ 90%, storage humidity 20 ~ 95%

## Ordering Information

<b>ISA-825LF-N1.6</b>	Intel® Atom™ N455 1.66G ISA CPU Card w/ VGA/ LVDS/ 2COM/ 2LAN/ SATA/ CF
<b>ISA-825LF-D1.8</b>	Intel® Atom™ D525 1.8G ISA CPU Card w/ VGA/ LVDS/ 2COM/ LAN/ SATA/ IDE

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