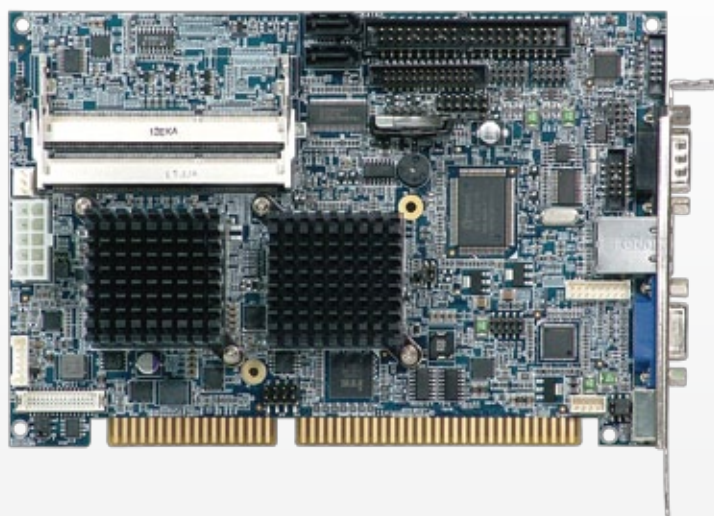


ISA-825LF



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 two 10/100/1000 Mbps Ethernet
- Fanless Solution (N455)
- Compact flash/ IDE interface for option

Specifications

System

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

I/O Ports

SATA Interface	2 x S-ATA connector
IDE Interface	1 x IDE connector with 40-pin Pin header on board
SSD	1 x compact flash slot (IDE)
Serial Port	2 x COM port, 16550 UARTs RS-232, COM 1 for RS-232, COM 2 for RS-232/422/485
Parallel Port	1 x parallel port (SPP / EPP / ECP)
IrDA	1 (SIR)
Keyboard	Mini DIN connector or external connector
Mouse	Mini DIN connector (selectable w / KB) or Y-cable
LAN	LAN1: Intel 82567V GbE LAN2: Intel 82583V GbE Supports Wake-on-LAN with ATX power
Audio	HD Audio, Realtek ALC 888S
DI/O	4 in / 4out
USB	4 x USB 2.0

Display

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

Environment

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

Ordering Information

Part No	Description
ISA-825LF-N1.6	Intel® Atom™ N455 1.66G ISA CPU Card w/ VGA/ LVDS/ 2COM/ 2LAN/ SATA/ CF
ISA-825LF-D1.8	Intel® Atom™ D525 1.8G ISA CPU Card w/ VGA/ LVDS/ 2COM/ LAN/ SATA/ IDE

Packing List

Part No	Description
10-611-0020023	jumper (2.0mm)
27-008-00001031	SATA Cable
	Quick Guide
	Driver CD

Ordering Accessories

Part No	Description
27-002-55309031	40-pin IDE cable
27-003-00304111	Y cable
27-004-00006031	LPT cable
27-006-03306111	USB cable (with bracket)
27-012-02501071	P8/P9 AT power to SBC (10-pin)
27-012-77202071	20-pin ATX power to SBC (10-pin)
27-024-03106011	COM PORT cable (with Bracket)
27-027-05106201	External PS/2 cable
27-028-01209011	3.5 AUDIO cable (with Bracket)

*All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information.

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