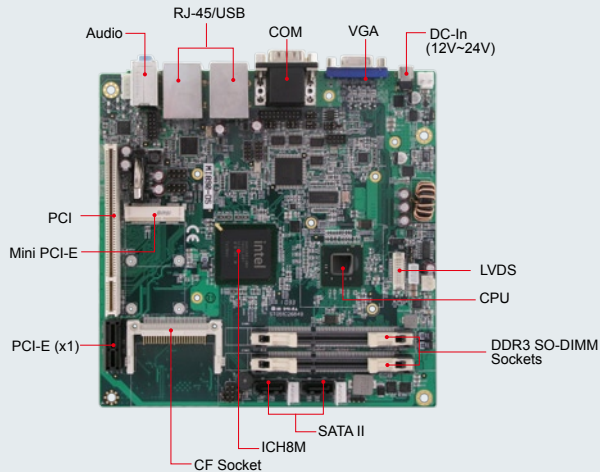


### MI890 NEW



### Features

- Onboard Intel® Atom™ processors  
N455 SC / D425 SC / D525 DC, up to 1.80GHz
- 2x DDR3 SO-DIMM, Max. 2GB/ 4GB
- Supports CRT and LVDS (18-bit single channel)
- Onboard dual PCI-E Gigabit LAN
- 8x USB 2.0, 4x COM, 2x SATA II, 1x IDE
- 1x PCI, 1x PCI-E(x1), 1x Mini PCI-E
- Watchdog timer, Digital I/O

### System

CPU	Intel® Atom™ Processor N455 SC (1.66GHz 512KB L2 cache) Intel® Atom™ Processor D425 SC (1.80GHz 512KB L2 cache) Intel® Atom™ Processor D525 DC (1.80GHz 1MB L2 cache)
System Memory	2x DDR3-800 SO-DIMM, Max.2GB(N455) / 4GB(D425/D525) (Non-ECC)
System Chipset	Intel® 82801HM I/O Controller (ICH8M)
BIOS	AMI
Watchdog Timer	256 levels
SSD	Type II CF socket
H/W Monitor	Yes
Expansion Slots	1x PCI, 1x PCI-E(x1), 1x Mini PCI-E

### Graphics

VGA Controller	Intel® ICH8M Integrated GMA3150 graphics
VGA Memory	Max. Shared Memory - 224 MB
Display Interface	Supports VGA, 18-bit single channel LVDS

### Ethernet

Controller	2x Intel® 82583V PCI-E Gigabit LAN
Connector	2x RJ-45 on board

### Multi I/O

Chipset	Winbond NCT6627UD 3x RS232, 1x RS-232/422/485, 2x SATA II
USB	4 ports on board Pin header for 4 ports (USB 2.0)
Audio	Intel® ICH8M built-in audio w/ Realtek ALC269 codec, integrated 2W amplifier
Others	Digital I/O (4-in/4-out), 12V~24V DC In

### Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	Intel® Atom™ D525 1.8GHz w/ 2x 2GB DDR3-1066 +12V: 2.93A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

### Ordering Information

MI890-N4	Intel® Atom™ Processor N455 1.66GHz SC Mini-ITX motherboard w/ VGA, 2x PCI-E Gigabit LAN
MI890-D4 (By request w/ MOQ)	Intel® Atom™ Processor D425 1.80GHz SC Mini-ITX motherboard w/ VGA, 2x PCI-E Gigabit LAN
MI890-D5	Intel® Atom™ Processor D525 1.80GHz DC Mini-ITX motherboard w/ VGA, 2x PCI-E Gigabit LAN



#### Remarks:

1. For optional daughter boards and riser cards, please refer to page 19-20.
2. Specifications are subject to change without prior notice.

