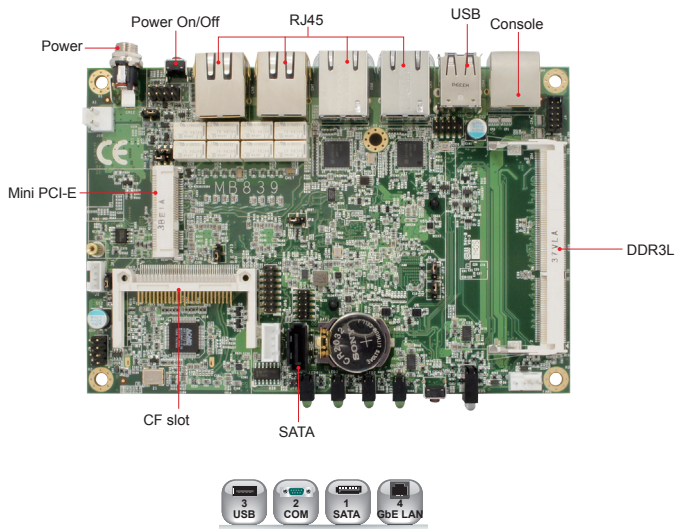


# MB839

## Networking Motherboard

Intel® Celeron® J1900 SoC Networking Disk-size SBC



### Features

- Onboard Intel® Celeron® J1900 SoC, 2.0GHz
- Advanced LAN Bypass
- 4x Intel® I211-AT GbE ports
- 1x DDR3L-1333 SO-DIMM; Max. 8GB
- 1x CF slot, 1x SATA connector, 2x USB 2.0

### System

CPU	Intel® Celeron® Quad-Core processor J1900 (2M Cache, 2.0GHz)
System Memory	1x DDR3L-1333 SO-DIMM; Max. 8GB (non-ECC)
BIOS	AMI
Watchdog Timer	256 levels
SSD	1x CF slot, 1x SATA connector
H/W Monitor	Yes
Expansion Slots	1x half-sized Mini PCI-E

### Graphics

VGA Controller	Intel® Celeron® J1900 integrated
VGA Memory	Max. shared memory – 224MB
Display Interface	VGA via pin header

### LAN

Controller	4x Intel® I211-AT GbE
Bypass	LAN 3/4
Connector	4x RJ-45 on board

### Multi I/O

I/O Chipset	Intel® Celeron® SoC built-in + Nuoton NCT5523D 1x SATA, 2x RS-232
USB	2x USB 2.0 ports on board 1x USB 2.0 port pin header
Others	+12V DC-in power connector

### Mechanical and Environmental

Dimensions	162 mm X 110 mm (6.38" x 4.33")
Max. Power Requirement	18W
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

MB839-1C	Intel® Atom™ Processor E3815 (1.46GHz), I211-AT 4x GbE LAN, Bypass LAN 3/4, 1x CF slot, Half-size Mini PCI-E, 12V DC-In
MB839-4C	Intel® Celeron® Processor J1900 (2.0GHz), I211-AT 4x GbE LAN, Bypass LAN 3/4, 1x CF slot, Half-size Mini PCI-E, 12V DC-In
VGA8	VGA cable
PK1-51	Console cable, 160 cm