



## Features

- Onboard Intel® Pentium® QC N3710, up to 2.56GHz or Celeron® DC N3010, up to 2.24GHz
- 2x DDR3L SO-DIMM sockets, Max. 8GB
- Supports VGA, DVI-D and 24-bit dual-channel LVDS
- 2x Intel® I211-AT PCI-E Gigabit LAN
- Watchdog timer, Digital I/O, iSMART, TPM (2.0)
- 4x USB 3.0, 2x USB 2.0, 4x COM, 2x SATA III
- 1x PCI-E (x1), 1x Mini PCI-E, 1x mSATA, 1x CFast

## Specifications

CPU Socket	FCBGA1170
CPU	Intel® Pentium® N3710, up to 2.4GHz or Celeron® N3010, up to 2.24GHz
PCH	N/A
Memory Types	2x DDR3L-1600 SO-DIMM socket, Max. 8GB
BIOS	AMI
Watchdog Timer	256 levels
Storage Device Interface	1x mSATA, 1x CFast (optional)
H/W Monitor	Yes
Expansion Slots	1x PCI-E (x1)
Mini Type Slots	1x Mini PCI-E
Graphics Controller	Intel® Pentium® SoC integrated Intel® Gen-8 graphics
Video Output	Supports DVI-D, CRT 24-bit dual-channel LVDS
Ethernet	Intel® I211AT PCI-E Gigabit LAN
I/O Chip	Fintek F81846AD-I
Serial Port	1x RS232/422/485 (jumper-less selection) 3x RS232, PS/2 keyboard/mouse 1x printer port
USB 2.0	2x USB 2.0 via pin-header
USB 3.0/ 3.1	4x USB 3.0 on board
Serial ATA	2x SATA III
Audio	Intel® Pentium SoC built-in HD audio + Realtek ALC269 codec
TPM	TPM(2.0)
Others	Digital I/O (4-in/4-out); 12V DC-in or 18V~24V; iSMART; TPM(2.0); SIM card slot, CFast (optional)
Dimensions (L x W)	170mm x 170mm (6.7" x 6.7")
Power Consumption	Intel® Pentium® Processor N3710 1.6GHz w/ 2x 4GB DDR3L-1600 +19V: 1.01A
Operating Temperature	0°C~60°C ( 32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

## Ordering Information

MI808F-371	Intel® Pentium® N3710 (2.56GHz) on board Mini-ITX motherboard with heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), DC-in 12V only
MI808FW-371	Intel® Pentium® N3710 (2.56GHz) on board Mini-ITX motherboard with heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), <b>18V~24V DC-in</b>
MI808F-301 (w/ MOQ)	Intel® Celeron® N3010 (2.24GHz) on board Mini-ITX motherboard with heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), DC-in 12V only
MI808FW-301 (w/ MOQ)	Intel® Celeron® N3010 (2.24GHz) on board Mini-ITX motherboard with heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), <b>18V~24V DC-in</b>

## Dimensions and Drawing

