



System

CPU	Intel® Pentium® N3710, up to 2.4GHz or Celeron® N3010, up to 2.24GHz
System Memory	Two DDR3L-1600 SO-DIMM socket, Max. 8GB
System Chipset	N/A
BIOS	AMI BIOS
Watchdog Timer	256 levels
SSD	1x mSATA, 1x CFast (optional)
H/W Monitor	Yes
Expansion Slots	1x PCI-E(x1), 1x Mini PCI-E

Graphics

VGA Controller	Intel® Pentium® SoC integrated Intel® Gen 8 graphics
VGA Memory	Shared memory
Display Interface	Supports DVI-D, CRT 24-bit dual channel LVDS

LAN

Controller	Intel® I211AT PCI-E Gigabit LAN
Connector	RJ-45 on board

Multi I/O

I/O Chipset	Fintek F81846AD-I 1x RS-232/422/485 (jumperless selection) 3x RS232, PS/2 keyboard/mouse 1x printer port 2x SATA III
USB	4 ports on board (USB 3.0) 2 ports via pin-header (USB 2.0)
Audio	Intel® Pentium SoC built-in HD audio controller + Realtek ALC269 with 2.1 channel + amplifier
Others	Digital I/O (4-in/4-out); 12V DC-in or 18V~24V; iSMART; TPM(2.0); SIM card slot, CFast (optional)

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(1x), 1x Mini PCI-E, 1x mSATA, 1x CFast

Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	Intel® Pentium® Processor N3700 1.6 GHz 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 Art. No. 148728	Mini-ITX motherboard with Intel® Pentium® N3710 (2.56GHz) on board, heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), DC-in 12V only
MI808FW-371 Art. No. 144691	Mini-ITX motherboard with Intel® Pentium® N3710 (2.56GHz) on board, heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), DC-in 18V~24V
MI808F-301 (w/ MOQ) Art. No. 144692	Mini-ITX motherboard with Intel® Celeron® N3010 (2.24GHz) on board, heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), DC-in 12V only
MI808FW-301 (w/ MOQ) Art. No. 144693	Mini-ITX motherboard with Intel® Celeron® N3010 (2.24GHz) on board, heatsink, DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, iSMART 3.2, TPM(2.0), DC-in 18V~24V

Dimensions and Drawing

