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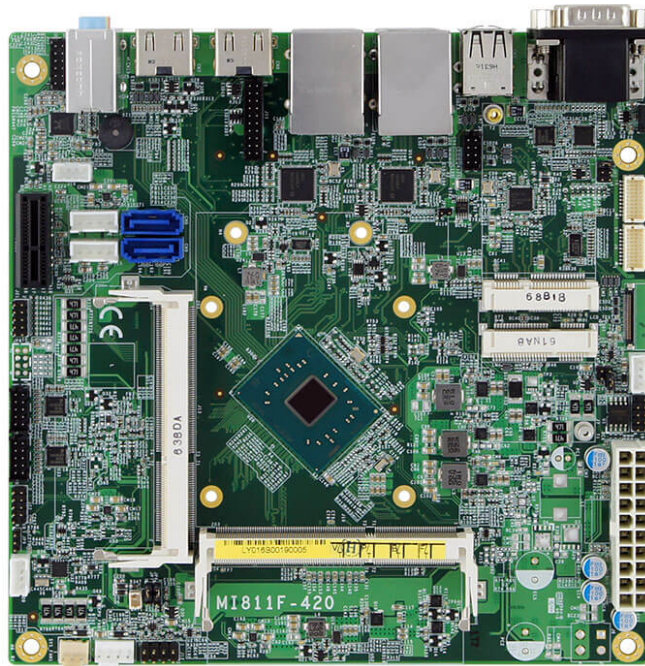
# Datasheet

## iBASE

### MI811

Mini-ITX Embedded Motherboard with Intel® Apollo Lake

Intel® Pentium®, Intel Celeron® Processors



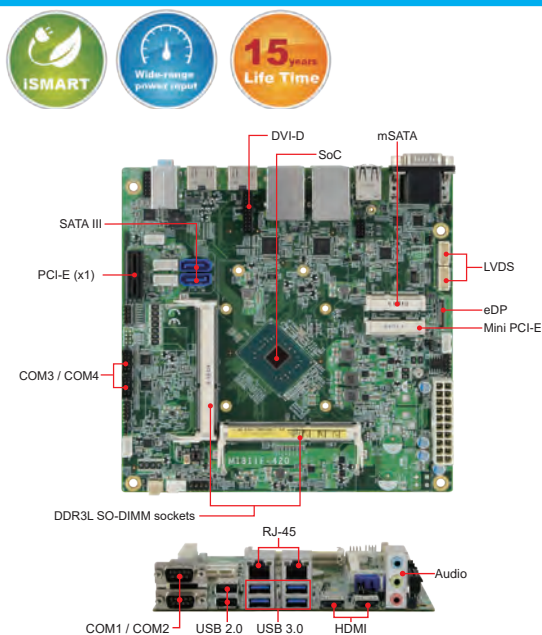
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# MI811

## Mini-ITX Motherboard Intel® Pentium® / Celeron® Mini-ITX Motherboard



### Features

- Onboard Intel® Pentium® QC N4200 @ 2.5GHz or Celeron® DC N3350 @ 2.4GHz on board
- 2x DDR3L SO-DIMM sockets, Max. 8GB
- Supports HDMI, HDMI / DVI-D and eDP / 24-bit dual channel LVDS
- 2x Intel® I211-AT PCI-E Gigabit LAN
- Watchdog timer, Digital I/O
- 4x USB 3.0, 4x USB 2.0, 4x COM, 2x SATA III
- 1x PCI-E (x1), 1x Mini PCI-E, 1x mSATA

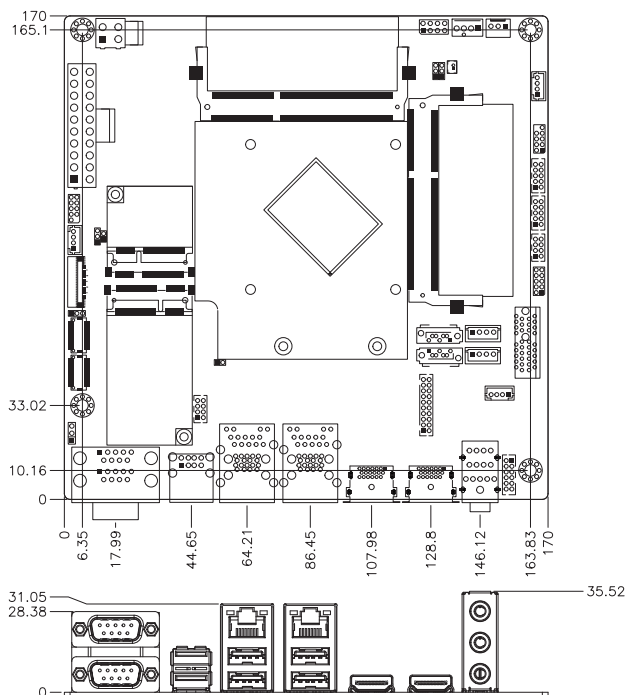
### Specifications

CPU Socket	FCBGA1296
CPU	Intel® Pentium® QC N4200 @ 1.1GHz ~ 2.5GHz Intel® Celeron® DC N3350 @ 1.1GHz ~ 2.4GHz
PCH	N/A
Memory Types	2x DDR3L-1866 SO-DIMM socket, Max. 8GB
BIOS	AMI
Watchdog Timer	256 levels
Storage Device Interface	1x mSATA
H/W Monitor	Yes
Mini Type Slots	1x Mini PCI-E
Expansion Slots	1x PCI-E (x1)
Graphics Controller	Intel® Pentium® SoC integrated Intel® Gen 9 graphics
Video Output	Supports HDMI, 2nd HDMI or DVI-D, eDP or 24-bit dual-channel LVDS
Ethernet	Intel® I211AT PCI-E Gigabit LAN
I/O Chip	Fintek F81846AD-I
Serial Port	1x RS232/422/485 (jumpertless selection), 3x RS232
USB 2.0	2x USB 2.0 ports on board 2x USB 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 high-definition audio controller + Realtek ALC283 w/ 2.1 channels+ amplifier
TPM	N/A
Others	Digital I/O (4-in/4-out); ATX or 12V~24V DC-in; EuP/ErP
Dimensions (L x W)	170mm x 170mm (6.7" x 6.7")
Power Consumption	Intel® Pentium® N4200 2.5GHz w/ 2x DDR3L 1600 4GB +12V: 1.27A
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

MI811F-420	Intel® Pentium® N4200(1.1~2.5GHz) on board Mini-ITX motherboard with heatsink, w/ HDMI#1, HDMI#2 or DVI-D, eDP or LVDS, 2x PCI-E Gigabit LAN, ATX-in
MI811F-420D	Intel® Pentium® N4200(1.1~2.5GHz) on board Mini-ITX motherboard with heatsink, w/ HDMI#1, HDMI#2 or DVI-D, eDP or LVDS, 2x PCI-E Gigabit LAN, 12V~24V DC-in
MI811F-335	Intel® Celeron® N3350(1.1~2.4GHz) on board Mini-ITX motherboard with heatsink,w/ HDMI#1, HDMI#2 or DVI-D, eDP or LVDS, 2x PCI-E Gigabit LAN, ATX-in
MI811F-335D	Intel® Celeron® N3350(1.1~2.4GHz) on board Mini-ITX motherboard with heatsink, w/ HDMI#1, HDMI#2 or DVI-D, eDP or LVDS, 2x PCI-E Gigabit LAN, 12V~24V DC-in

### Dimensions and Drawing



Our company network supports you worldwide with offices in Germany, Austria, Switzerland, the UK and the USA. For more information please contact:

## Headquarters

### Germany



#### FORTEC Elektronik AG

Augsburger Str. 2b  
82110 Germering

Phone: +49 89 894450-0  
E-Mail: [info@forteca.de](mailto:info@forteca.de)  
Internet: [www.forteca.de](http://www.forteca.de)

## Fortec Group Members

### Austria



#### Distec GmbH Office Vienna

Nuschinggasse 12  
1230 Wien

Phone: +43 1 8673492-0  
E-Mail: [info@distec.de](mailto:info@distec.de)  
Internet: [www.distec.de](http://www.distec.de)

### Germany



#### Distec GmbH

Augsburger Str. 2b  
82110 Germering

Phone: +49 89 894363-0  
E-Mail: [info@distec.de](mailto:info@distec.de)  
Internet: [www.distec.de](http://www.distec.de)

### Switzerland



#### ALTRAC AG

Bahnhofstraße 3  
5436 Würenlos

Phone: +41 44 7446111  
E-Mail: [info@altrac.ch](mailto:info@altrac.ch)  
Internet: [www.altrac.ch](http://www.altrac.ch)

### United Kingdom



#### Display Technology Ltd.

Osprey House, 1 Osprey Court  
Hichingbrooke Business Park  
Huntingdon, Cambridgeshire, PE29 6FN

Phone: +44 1480 411600  
E-Mail: [info@displaytechnology.co.uk](mailto:info@displaytechnology.co.uk)  
Internet: [www.displaytechnology.co.uk](http://www.displaytechnology.co.uk)

### USA



#### Apollo Display Technologies, Corp.

87 Raynor Avenue,  
Unit 1 Ronkonkoma,  
NY 11779

Phone: +1 631 5804360  
E-Mail: [info@apolloDisplays.com](mailto:info@apolloDisplays.com)  
Internet: [www.apolloDisplays.com](http://www.apolloDisplays.com)