

# Datasheet

## iBASE

### IB952

**3,5" Industrial Single-Board Computer with AMD®Ryzen™ V2000 Series Processor**

**FORTEC**  
UNITED STATES



**FORTEC**  
INTEGRATED



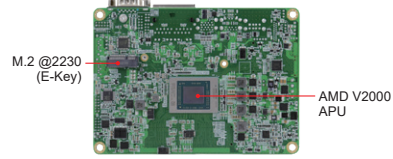
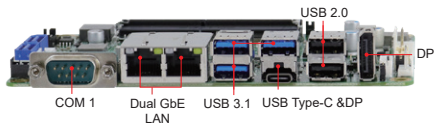
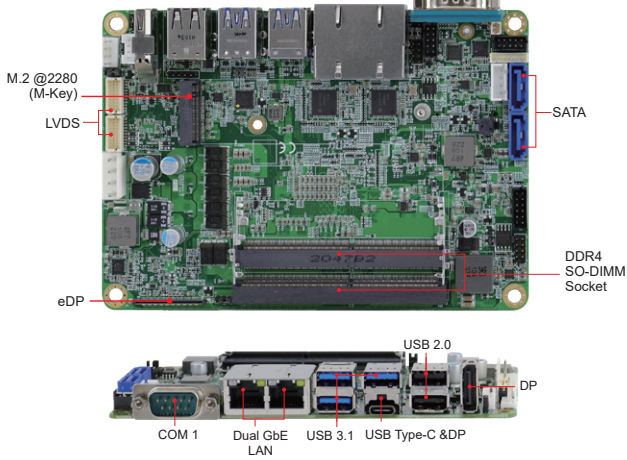
**FORTEC**  
UNITED KINGDOM



---

The information contained in this document has been carefully researched and is, to the best of our knowledge, accurate. However, we assume no liability for any product failures or damages, immediate or consequential, resulting from the use of the information provided herein. Our products are not intended for use in systems in which failures of product could result in personal injury. All trademarks mentioned herein are property of their respective owners. All specifications are subject to change without notice.

---



## Features

- AMD Ryzen™ Embedded V2000 on board
- 2x DDR4 SO-DIMM, Max. 64GB
- 2x Gigabit LAN
- Supports 2x DisplayPort (DP connector and Type-C), 1x eDP, 1x 24-bit dual-channel LVDS
- 2x USB 2.0, 3x USB 3.1, 2x SATA III, 2x COM
- 2x M.2 sockets (M-Key/ E-Key)

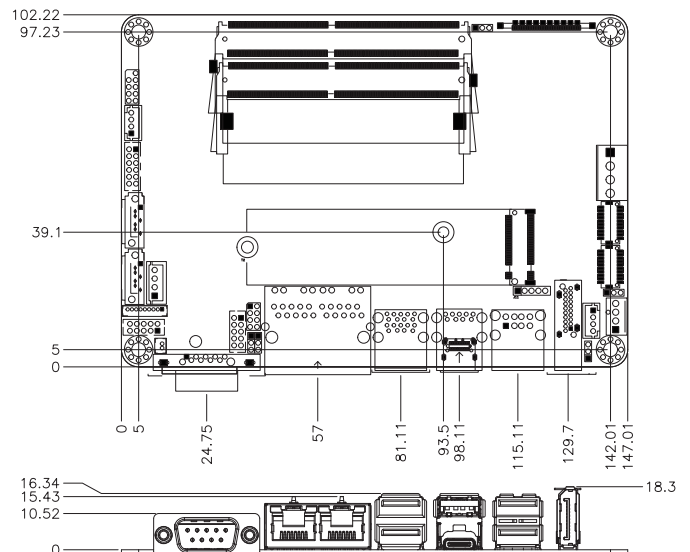
## Specifications

CPU	AMD Ryzen™ Embedded V2000 on board
PCH	N/A
Memory	DDR4-3200 SO-DIMM, Max. 64GB, supports ECC
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x M.2 (M-Key)
Mini Type Slots	1x M.2 (M-Key, type:2280, NVMe) 1x M.2 (E-Key, type:2230)
Graphics Controller	AMD Raden™ Vega integrated
Video Output	2x DisplayPort (DP connector & Type-C), 1x 24-bit dual-channel LVDS, 1x eDP
Ethernet	2x Intel® I211AT or I210AT Gigabit LAN
I/O Chipset	Fintek F81964
Serial Port	1x RS232/422/485 (Jumperless selection) 1x RS232
USB 2.0	2x USB 2.0 on board
USB 3.X	3x USB 3.1 on board
Serial ATA	2x SATA III
Audio	Built-in audio w/ Realtek ALC888S
TPM	TPM (2.0)
Others	Digital I/O(4-in/ 4-out), EuP/ErP, +12V~+24V DC-in (+/-10%)
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	AMD Ryzen™ Embedded V2748 2.9GHz w/ 2x 16GB DDR4-3200 +12V: 7.61A AMD Ryzen™ Embedded V2718 1.70GHz w/ 2x 16GB DDR4-3200 +12V: 3.92A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	95% (non-condensing@60°C)

## Ordering Information

IB952F-2748	AMD Ryzen™ V2748 Octa APU (2.9GHz~4.15GHz) on board 3.5" SBC w/ dual LAN, 2x DisplayPort (DP+ Type-C), eDP & LVDS (24-bit dual-channel), EuP/ErP, 12V~24V DC-in
IB952F-2718	AMD Ryzen™ V2718 Octa APU (1.7GHz~4.15GHz) on board 3.5" SBC w/ dual LAN, 2x DisplayPort (DP+ Type-C), eDP & LVDS (24-bit dual-channel), EuP/ErP, 12V~24V DC-in
HSIB952-A	Heatsink with Fan for IB952F-2718
HSIB952-B	Heatsink with Fan for IB952F-2748
HSIB952-1	Heat spreader for IB952
IB92	Cable kit w/ COM, Power, SATA + Power

## Dimensions and Drawing



1 Single Board Computers

2 CPU Modules

3 Motherboards

4 CPU Cards

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**  
GROUP

FORTEC Elektronik AG  
Augsburger Str. 2b  
82110 Germering

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

---

## Fortec Group Members

Austria



**FORTEC**  
INTEGRATED

FORTEC Integrated GmbH Office Vienna  
Nuschinggasse 12  
1230 Wien

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

Germany



**FORTEC**  
INTEGRATED

FORTEC Integrated GmbH  
Augsburger Str. 2b  
82110 Germering

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

Switzerland



**FORTEC**  
SWITZERLAND

FORTEC Switzerland AG  
Bahnhofstraße 3  
5436 Würenlos

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

United Kingdom



**FORTEC**  
UNITED KINGDOM

FORTEC Technology UK Ltd.  
Osprey House, 1 Osprey Court  
Hinchingbrooke Business Park  
Huntingdon, Cambridgeshire, PE29 6FN

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

USA



**FORTEC**  
UNITED STATES

FORTEC US, Corp.  
87 Raynor Avenue, Unit 1  
Ronkonkoma, NY 11779

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