

Datasheet

iBASE

IB996

3,5" Industrial Single-Board Computer with Intel® Core™ Ultra Panther Lake Processors

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UNITED STATES

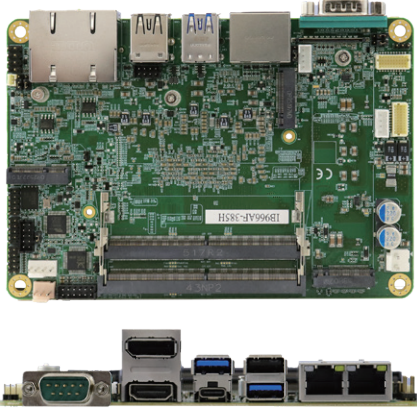
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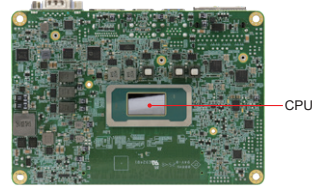
NEW

Preliminary



Features

- Intel® Core™ Ultra & Core™ Ultra X 300H Series Processors (Panther Lake-H Platform)
- 2x DDR5 cSO-DIMM & SO-DIMM, Max. 128GB
- Supports HDMI, DisplayPort, DisplayPort (Type-C), LVDS and eDP
- 2x 2.5G LAN, 3x USB 2.0, 2x USB 3.2(Type-A), 2x COM
- 3x M.2 slots (M2280+M2242+E2230) , +12V~+24V DC-in
- Digital I/O (4-in/4-out), iAMT, dTPM & watchdog timer



Specifications

| | |
|--------------------------|--|
| CPU | Intel® Core™ Ultra & Core™ Ultra X 300H Series Processors |
| PCH | N/A |
| Memory | 2x DDR5 SO-DIMM, 7200MT/s, Non-ECC, Max.128GB |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| H/W Monitor | Yes |
| Storage Device Interface | 2x M.2 (M2280& M2242 for NVMe) |
| Mini Type Slots | 1x M.2 (M2280, supports NVMe only) 1x M.2 (M2242, supports NVMe only) 1x M.2 (E2230, support CNVI) |
| Graphics Controller | Intel® Core™ Ultra 300H Processor built-in X ^e 3 Graphics |
| Video Output | HDMI, DisplayPort, DisplayPort(Type-C), LVDS and eDP |
| Ethernet | Intel® I226LM as 1st LAN, I226V as 2nd LAN |
| I/O Chipset | Fintek F81804U-I on board |
| Serial Port | 2x RS232/422/485 |
| USB 2.0 | 3x USB 2.0 (1x Type-A ; 2x via pin headers) |
| USB 3.X | 2x USB 3.2 (Type-A) |
| Serial ATA | N/A |
| Audio | Intel® Core™ Ultra processor built-in HD audio + ALC888S codec |
| TPM | dTPM |
| Others | Digital I/O (4-in/4-out), iAMT; +12V~+24V DC-in |
| Dimensions (L x W) | 102mm x 147mm (4" x 5.8") |

| | |
|-----------------------|----------------------------|
| Power Consumption | TBD |
| 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) |

1 Single Board Computers

2 CPU Modules

3 Motherboards

4 CPU Cards

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

FORTEC

GROUP

FORTEC Elektronik AG | Augsburgener Straße 2b | 82110 Germering
+49 89 894450-0
info@fortecag.de | www.fortecag.de

FORTEC

INTEGRATED

FORTEC Integrated GmbH | Augsburgener Straße 2b | 82110 Germering
+49 89 894363-0
info@fortec-integrated.de | www.fortec-integrated.de

FORTEC

POWER

FORTEC Power GmbH | Lise-Meitner-Straße 3 | 64560 Riedstadt
+49 6158 8285-0
weborder@fortec-power.de | www.fortec-power.de

FORTEC

UNITED KINGDOM

FORTEC Technology UK Ltd. | Osprey House | 1 Osprey Court
Hinchingsbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN
+44 1480 411600 | info@fortec.uk | www.fortec.uk

FORTEC

UNITED STATES

FORTEC United States, Corp. | 87 Raynor Avenue Unit 1 | Ronkonkoma
NY | 11779 | +1 631 5804360
info@fortec.us | www.fortec.us

FORTEC

CZECH REPUBLIC

FORTEC Czech Republic s.r.o. | Přátelství 275 | 330 02 Dýšina
+49 89 894363-0
info@fortec.cz | www.fortec.cz

FORTEC

SWITZERLAND

FORTEC Switzerland AG | Bahnhofstraße 3 | 5436 Würenlos
+41 44 7446111
info@fortec.ch | www.fortec.ch

FORTEC

EGYPT

FORTEC Electronic Design and Solution Egypt SMLC | Linx Business Park
Unit B318 | Smart Village | Giza Governorate
+20 120 1146222 | info@fortec.eg | www.fortec.eg

FORTEC

BENELUX

FORTEC Benelux B.V. | Everdenberg 79 | 4902 TT Oosterhout
+31 162 515458
info@fortec-benelux.com | www.fortec-benelux.com