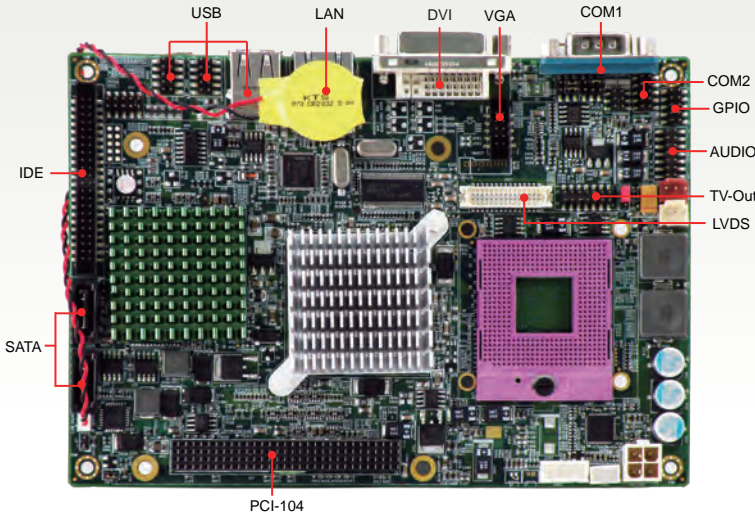


# AR-B5631

EPIC SBC Supporting Intel uFC-PGA 478 Core 2 Duo/Core Duo/Core Solo/Celeron M, GbE, USB 2.0, VGA, DVI-D, TV-Out (BNC), S-Vide, LVDS



## Features

- ✓ Medical Solution
- ✓ Support Intel Core 2 Duo/Core Duo/Celeron M
- ✓ VGA/DVI/LVDS/TV-Out
- ✓ 1 x GbE, 2 x COM, 6 x USB2.0, SATA, CF
- ✓ PCI-104 Expansion
- ✓ CE / FCC class B
- ✓ EN60601

Embedded SBC

## Specification

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<b>CPU</b>	Socket P support Intel Core 2 Duo/Core Duo/Celeron M
<b>Chipset</b>	Intel GME965 + ICH8M
<b>Front Side Bus</b>	533/800MHz
<b>Memory</b>	1 x 200-pin SO-DIMM socket support 533/667MHz DDR2 SDRAM up to 2GB

### Video

<b>Graphic Controller</b>	Intel GME965 integrated GMA X3100 graphic controller
<b>Video Memory</b>	Maximum 384MB shared
<b>Video Interface</b>	<ul style="list-style-type: none"> <li>• 1 x VGA (Pin header)</li> <li>• 1 x DVI-D</li> <li>• 1 x Dual Channel 24-bit LVDS (Pin header)</li> <li>• 1 x TV-Out (Pin header)</li> <li>• 1 x S-Video (pin)</li> <li>• 1 x Component Video cable</li> </ul>

### Storage

<b>IDE</b>	1 x E-IDE (44-pin)
<b>SATA</b>	2 x SATA II port
<b>CF</b>	1 x Compact Flash Type I/II slot
<b>SD</b>	-

### I/O

<b>Expansion Slot</b>	1 x PCI-104 slot
<b>Ethernet</b>	1 x Gbps RJ45 with LED, Intel 82574L
<b>Serial Port</b>	1 x RS-232, 1 x RS-232/422/485 (1 x DB9, 1 x pin header)
<b>USB</b>	6 x USB2.0 (2 x external port, 4 x pin header)
<b>GPIO</b>	8-bit Digital I/O
<b>Parallel Port</b>	-
<b>PS/2</b>	-
<b>Audio</b>	Realtek ALC662 Audio Codec

### Hardware Feature

<b>Hardware Monitoring</b>	<ul style="list-style-type: none"> <li>• CPU voltage and temperature</li> <li>• Fan speed</li> </ul>
<b>WatchDog Timer</b>	Software programmable 1~255 sec. (+/- 5%)

### Power Requirement

<b>Power Input</b>	12V (+/-5%) single voltage input
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### Software

<b>OS Support</b>	Windows XP/XP Embedded/CE 5.0 & 6.0, Linux Fedora 8.0
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### Mechanical & Environment

<b>Dimension</b>	115mm x 165mm (4.53" x 6.50")
<b>Weight</b>	-
<b>Operating Temp.</b>	0~60°C (32~140°F)
<b>Storage Temp.</b>	-20~80°C (-4~176°F)
<b>Relative Humidity</b>	0 to 95% @ 40°C, non-condensing
<b>Safety</b>	CE, FCC class B, EN60601

### Packing List

- 1 x AR-B5631
- 1 x Driver CD
- 1 x User manual
- 1 x Cooler

### Ordering Information

<b>AR-B5630</b>	1 x AR-B5631
<b>Accessory</b>	ACC-5631:
	<ul style="list-style-type: none"> <li>• 1 x Power cable (ATX to AT)</li> <li>• 1 x USB cable</li> <li>• 1 x COM cable (10-pin)</li> <li>• 2 x SATA cable</li> <li>• 1 x VGA cable</li> <li>• 1 x TV-Out BNC output cable</li> <li>• 1 x S-Video output cable</li> <li>• 1 x Component Video cable</li> </ul>