KBox A-202

FANLESS BOX PC FOR CONNECTED APPLICATIONS

- IoT ready - simply connected
- modular approach - forever young
- wartungsfrei - fanless, battery free
## TECHNICAL INFORMATION

### PROCESSOR
- **CPU**: Intel® Atom™ E3845
- **Max. Speed**: 4x 1.91 GHz
- **BIOS**: Phoenix SecureCore™

### MEMORY
- **Technology**: DDR3L, with ECC
- **Max. Capacity**: 4 GByte
- **Socket**: Soldered

### GRAPHICS
- **Graphics Core**: Intel® HD Graphics
- **Max. Resolution**: Full HD (1920 x 1080)

### MISCELLANEOUS
- **Watchdog Timer**: ✓

### INTERFACES
- **Serial Ports**: 1x RS232, 1x RS485
- **USB**: 2x USB 2.0
- **Graphcis Ports**: 1x HDMI
- **Ethernet**: 2x GbE, IEEE1588 support

### EXPANSION
- **miniPCIe**: 1x miniPCIe socket for full-size modules, with SIM Card socket

### STORAGE
- **SD Card**: 1x Micro SD card socket
- **Flash**: 16 GByte onboard flash (eMMC)

### SOFTWARE SUPPORT
- **LINUX**: Yocto

### POWER
- **Input Voltage Range**: 24 VDC
- **Adapter**: AC to DC 24 V / 2.5 A (60 W) optional

### POWER CONSUMPTION
- **Typical**: 5 W
- **Max.**: 15 W

### MECHANICAL
- **Mounting**: DIN RAIL, Desktop, Cabinet
- **Dimension (W x H x D)**: 150 x 57 x 95 mm (5.91” x 2.24” x 3.74”)
- **Weight**: 1 kg (2.20 lbs)

### ENVIRONMENT
- **Cooling**: Fanless
- **Operating Temperature**: -40 °C to +55 °C (-40 °F to 131 °F)
- **Relative Humidity**: 93 % @ at 40 °C non-condensing
- **Vibration**: 5–500 Hz, 2G, acc. to IEC 60068-2-6
- **Operating Shock**: 15 G, 11 ms, half-sine acc. to IEC 60068-2-27
- **MTBF**: 170,000 h @ 40 °C

### APPROVALS
- **EMC**: CE/FCC
- **Safety Certifications**: CB scheme, UL 60950-1

## ORDERING INFORMATION

### RECOMMENDED CONFIGURATION

<table>
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<tr>
<th>PRODUCT</th>
<th>MATERIAL NO.</th>
<th>DESCRIPTION</th>
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<tr>
<td>KBOX A-202</td>
<td>2-A0CW-2001</td>
<td>Baytrail E3845, 4 GByte, 16 GByte eMMC</td>
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<tr>
<td>KBOX A-202</td>
<td>2-A0CW-2002</td>
<td>Baytrail E3845, 4 GByte, 16 GByte eMMC, with WiFi module and antennas</td>
</tr>
</tbody>
</table>

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