

# AEC-6900

Advanced Fanless Embedded Controller with ULV Celeron® Processor and PCI Expansion

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BOXER S Series - Fanless Embedded Controller Solutions



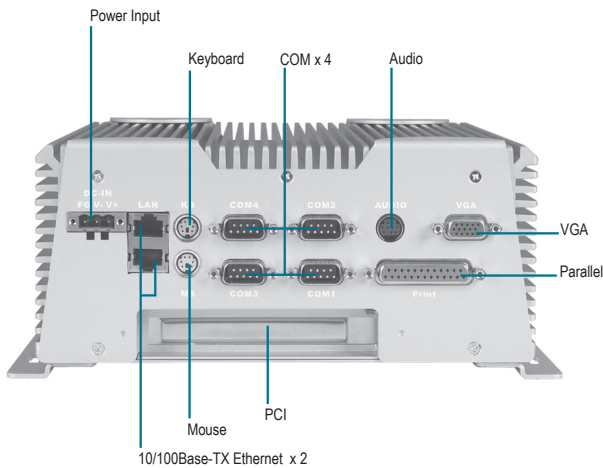
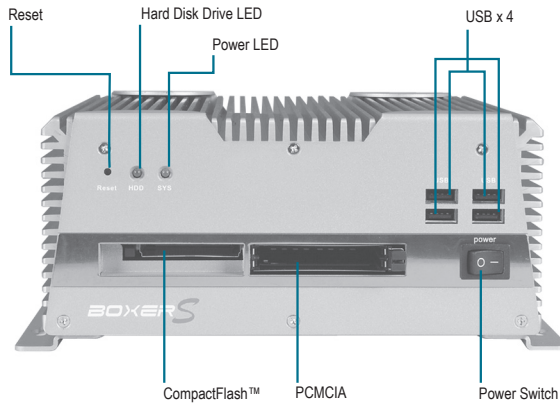
## Features

- Fanless Design
- Intel® ULV Celeron® 650MHz Processor
- PCI x 1 (Optional 2nd PCI) / PCMCIA x 2
- Wide DC or AC Power Input Range
- Dual Ethernet, COM x 4, USB x 4, Audio, Parallel
- Anti-vibration and Shock Resistant
- Machine Control, Security Node, Data Analyzer Platform
- AT Power Function



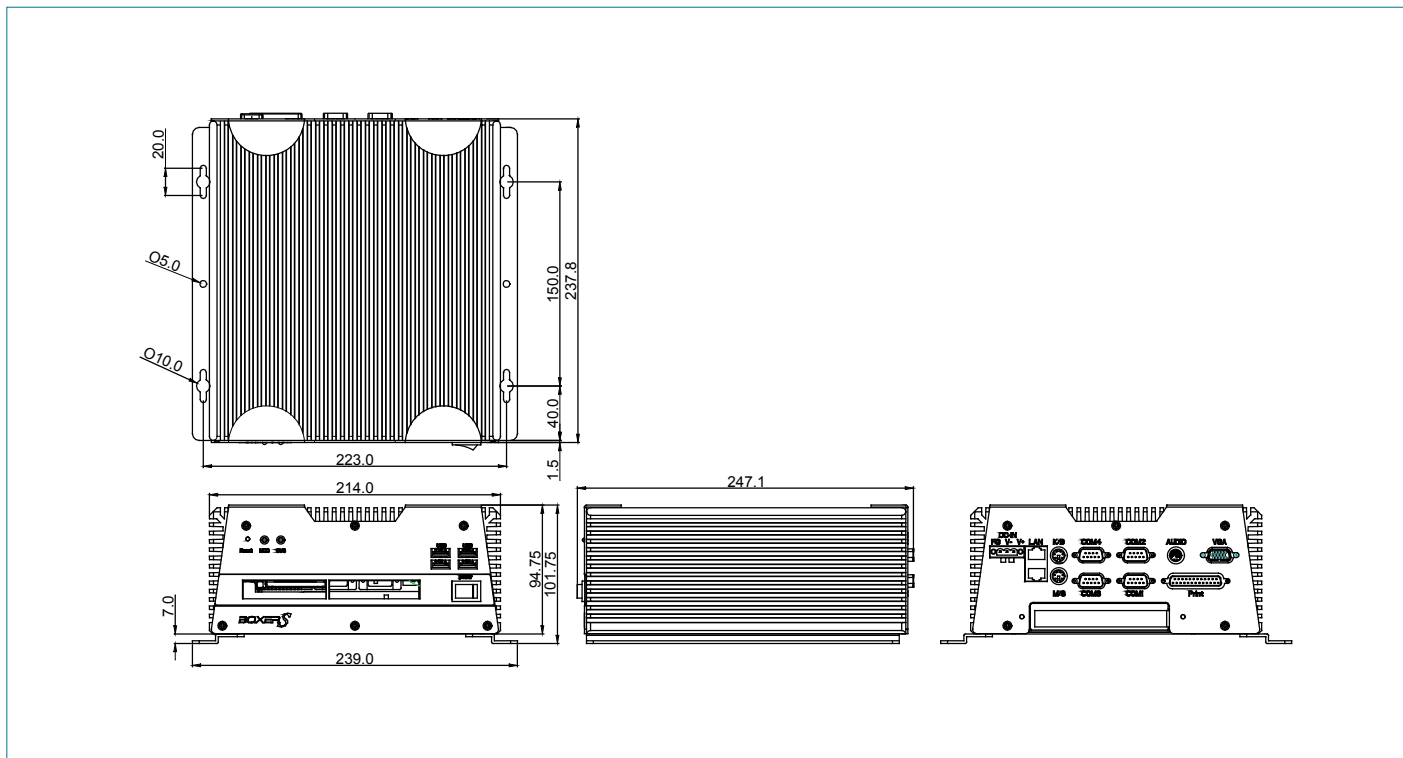
## Specifications

| System                |  |
|-----------------------|--|
| Processor             | Intel® ULV Celeron® 650MHz Processor   |
| System Memory         | SDRAM DIMM x 1, Max. 512 MB  |
| Expansion             | PCI x 1 (Optional 2nd PCI), PCMCIA x 2   |
| VGA/ Keyboard/ Mouse  | DB-15 VGA x 1, PS/2 Keyboard x 1, PS/2 Mouse x 1   |
| Ethernet              | 10/100Base-TX, RJ-45 x 2   |
| SSD                   | Type II CompactFlash™ x 1  |
| Hard Disk Storage     | 2.5" Hard Disk Drive Bay   |
| Serial                | RS-232 x 3, RS-232/422/485 x 1   |
| Audio                 | Mic-in/ Line-in/ Line-out, requires extension cable  |
| USB                   | USB1.1 x 4   |
| Parallel              | Printer x 1  |
| System Control        | Power on/ off switch x 1, Reset button x 1   |
| LED Indicator         | Power LED x 1, Hard Disk Drive active LED x 1  |
| Watchdog Timer        | Generates a time-out system reset, setting via software  |
| Power Supply          | 1. DC Input: Internal DC-DC Converter (Default)<br>Input voltage: 9V DC ~ 30V DC   |
|                       | 2. AC Input: External Power Adapter (Optional)<br>Input voltage: 100V AC ~ 240V AC @ 50 ~ 60Hz   |
| Power Consumption     | Intel® ULV Celeron® 650MHz<br>1.66A @12V   |
| MTBF (Hours)          | 60,000   |
| OS Support            | Windows® XP, Windows® 2000, Windows® XP Embedded   |
| Mechanical            |  |
| Construction          | Rugged Aluminum Alloy chassis  |
| Color                 | Mustard  |
| Mounting              | Wallmount  |
| Dimension             | 8.4"(W) x 3.7"(H) x 9.4"(D) (214mm x 94.8mm x 237.8mm) - 1 PCI<br>8.4"(W) x 4.6"(H) x 9.4"(D) (214mm x 117.5mm x 237.8mm) - 2 PCI                            |
| Carton Dimension      | 13.2"(W) x 11.6"(H) x 10.2"(D) (336mm x 294mm x 260mm)   |
| Net Weight            | 12.4 lb (5.63 kg) - 1 PCI<br>13.7 lb (6.21 kg) - 2 PCI   |
| Environmental         |  |
| Operating Temperature | 5°F ~ 149°F (-15°C ~ 65°C) (CompactFlash™)<br>5°F ~ 140°F (-15°C ~ 60°C) (Automotive Hard Disk Drive)<br>5°F ~ 113°F (-15°C ~ 45°C) (Normal Hard Disk Drive) |
| Storage Humidity      | 5~95%@40°C, non-condensing   |
| Vibration             | 5 grms/ 5 ~ 500Hz/ random operation (CompactFlash™)<br>1 grms/ 5 ~ 500Hz/ random operation (Internal Hard Disk Drive)  |
| Shock                 | 50 g peak acceleration (11 msec. duration) (CompactFlash™)<br>20 g peak acceleration (11 msec. duration) (Hard Disk Drive)                                   |
| EMC                   | CE/FCC class A   |



# AEC-6900

Dimension Unit: mm



## Ordering Information

- **TF-AEC-6900-A1**  
Embedded Controller, Intel® ULV Celeron® 650MHz Processor, Fanless, DC9-30V, 1 PCI, 256MB RAM
- **TF-AEC-6900-B1**  
Embedded Controller, Intel® ULV Celeron® 650MHz Processor, Fanless, DC9-30V, 2 PCI, 256MB RAM

## Optional Accessories

- **1757912001**  
AC Adapter (120W), Input AC 100~240V; Output: DC 19V
- **1702031830**  
Power Cord (US type)
- **1702031831**  
Power Cord (European type)
- **1702031810**  
Power Cord (Japanese type)
- **9741691011**  
CD-ROM Kit for AEC-6910 B1/B2
- **9741691007**  
3.5" Hard Disk Drive Kit for AEC-6910 B1/B2
- **9741691006**  
CD-ROM Kit for AEC-6910 A1/A2
- **9783204012**  
Automotive Hard Disk Drive 40G