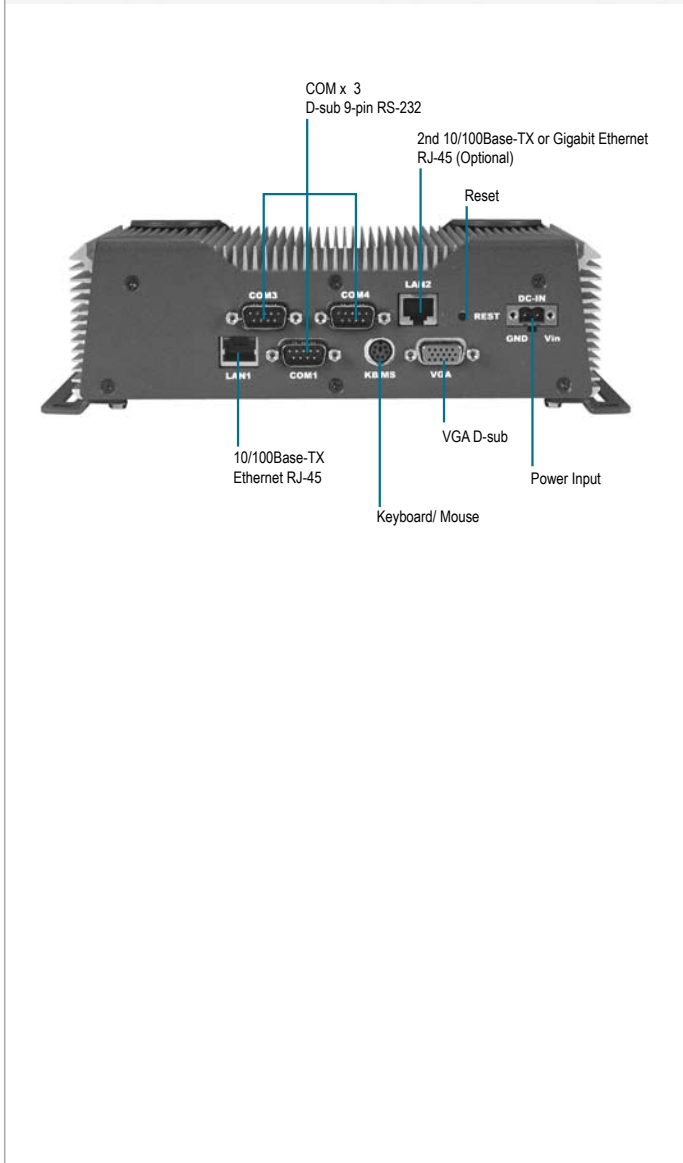
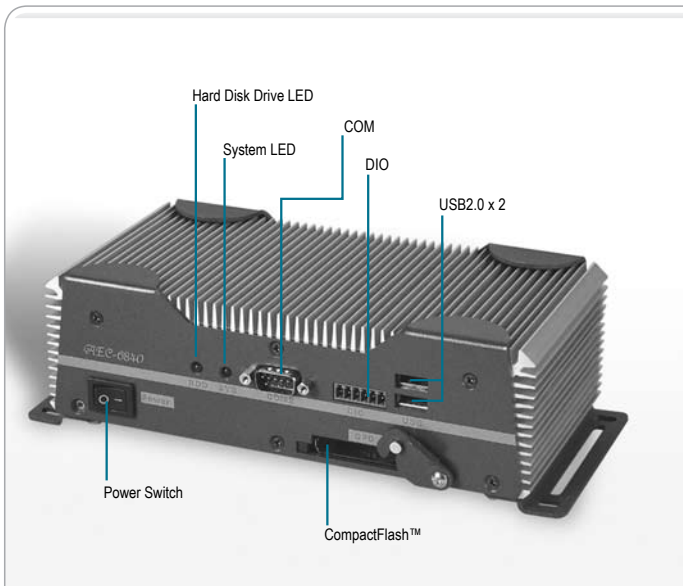


■ Fanless Embedded Controller With Intel® ULV Celeron® 400/650 MHz, 4 COM, Dual LAN



## Features

- Onboard Intel® ULV Celeron® 400/650 MHz Processor
- Optional Dual LAN
- COM x 4, Digital IO, USB2.0
- Anti-Vibration Up To 5g rms/ Anti-Shock Up To 100g
- AT Power Function



## Specifications

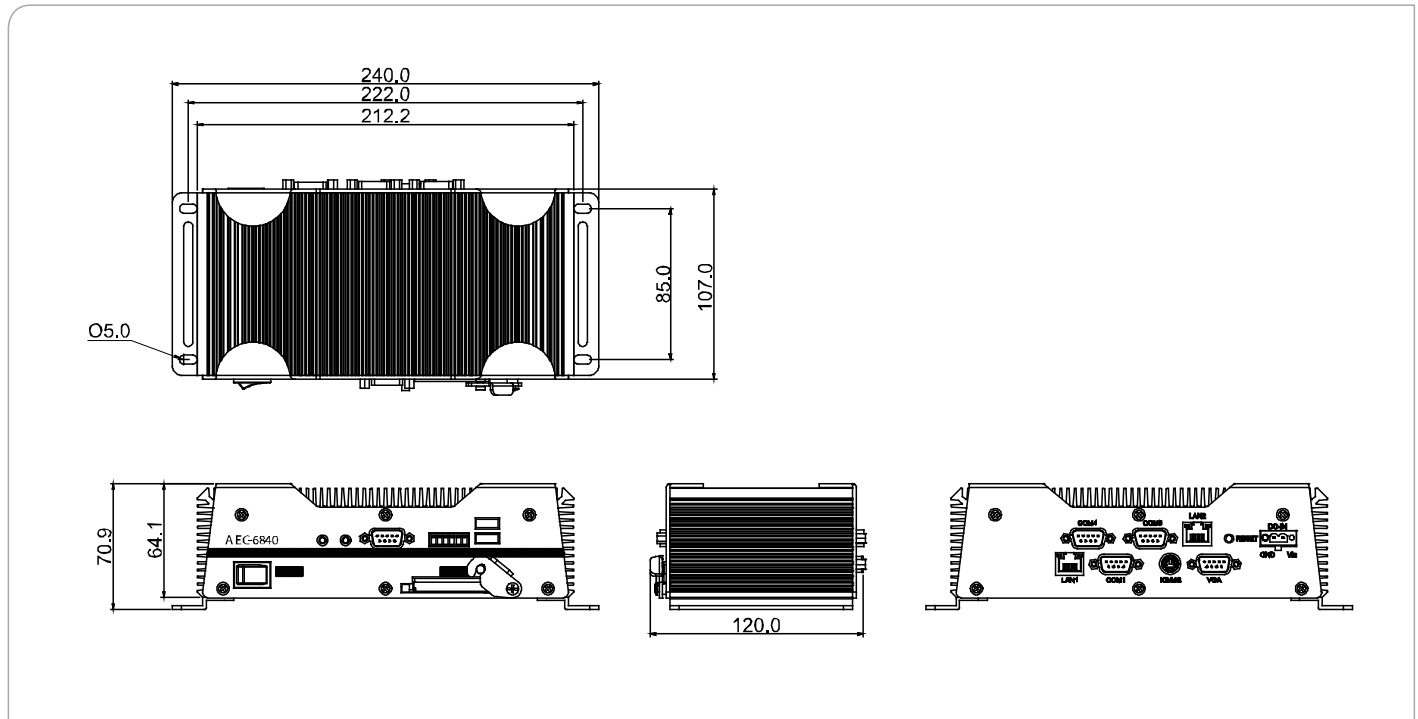
System	
Processor	Intel® ULV Celeron® 400/650 MHz Processor
Memory (Optional)	DDR SDRAM SODIMM x 1, Max. 512 MB
VGA/ Keyboard/ Mouse	DB-15 VGA x 1, PS/2 Keyboard & Mouse x 1
Ethernet	10/100Base-TX Ethernet, RJ-45 x 1, Optional second LAN (10/100 or gigabit), RJ-45 x 1
SSD	Type II CompactFlash™ x 1
Hard Disk Storage	Optional 2.5" Slim Hard Disk Drive kit
COM	RS-232 x 3, RS-232/422/485 x 1
Digital I/O	Supports 3 in & 3 out, up to 6 in or 6 out (Through BIOS)
USB	USB2.0 x 2
System Control	Power on/ off switch x 1, Reset button x 1
LED Indicator	Power LED x1 , Hard Disk Drive active LED x 1
Watchdog Timer	Generates a time-out system reset, setting via software
Power Supply	1. DC Input <ul style="list-style-type: none"> <li>Internal DC-DC Converter (Standard)</li> <li>Input voltage: DC 9V - 30V</li> </ul>
	2. AC Input <ul style="list-style-type: none"> <li>External Power Adapter (Optional)</li> <li>Output rating: 36W (DC 12V@3A)</li> <li>Input voltage: 100V AC ~ 240V AC @ 50 ~ 60Hz</li> </ul>
Power Consumption	Intel® Celeron® 400 MHz 1.74A@9V
MTBF (Hours)	60,000
OS Support	Windows® CE .NET 4.2, Windows® XP Embedded, Windows® XP, Windows® 7
Mechanical	
Construction	Rugged Aluminum Alloy chassis
Color	Dark Blue
Mounting	DIN Rail, Wallmount
Dimension	8.4" (W) x 2.5" (H) x 4.2" (D) (212mm x 64mm x 107mm)
Net Weight	4.75 lb (2.16 Kg)
Gross Weight	8.36 lb (3.8 Kg)
Environmental	
Operating Temperature	5°F ~ 131°F (-15°C ~ 55°C) — 650 MHz (CompactFlash™) 5°F ~ 140°F (-15°C ~ 60°C) — 400 MHz (CompactFlash™)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C) — CompactFlash™ 32°F ~ 140°F (0°C ~ 60°C) — Hard Disk Drive
Storage Humidity	5~95%@40°C, non-condensing
Vibration	5 g rms/ 5 ~ 500Hz/ random operation (CompactFlash™) 1 g/ 5 ~ 500Hz/ random operation (Hard Disk Drive)
Shock	100g peak acceleration (11 msec. duration) (CompactFlash™) 15g peak acceleration (11 msec. duration) (Hard Disk Drive)
EMC	CE/FCC Class A

Note: All specifications are subject to change without notice.

# AEC-6840

## Dimension

Unit: mm



## Ordering Information

- **TF-AEC-6840-A1**  
Embedded Controller, Intel® ULV Celeron® 650 MHz CPU, Fanless, DC 9-30V, 4 COM, Single LAN
- **TF-AEC-6840-A2**  
Embedded Controller, Intel® ULV Celeron® 650 MHz CPU, Fanless, DC 9-30V, 4 COM, Dual LAN
- **TF-AEC-6840-A3**  
Embedded Controller, Intel® ULV Celeron® 650 MHz CPU, Fanless, DC 9-30V, 4 COM, 100M + GbE LAN
- **TF-AEC-6840-A4**  
Embedded Controller, Intel® ULV Celeron® 400 MHz CPU, Fanless, DC 9-30V, 4 COM, Single LAN
- **TF-AEC-6840-A5**  
Embedded Controller, Intel® ULV Celeron® 400 MHz CPU, Fanless, DC 9-30V, 4 COM, Dual LAN
- **TF-AEC-6840-A6**  
Embedded Controller, Intel® ULV Celeron® 400 MHz CPU, Fanless, DC 9-30V, 4 COM, 100M + GbE LAN

## Optional Accessories

- **9741681001**  
Hard Disk Drive Kit
- **9741681002**  
AC Input Adapter Kit (36W), Input: AC 90 ~ 264V; Output: DC 12V
- **9741681003**  
DIN Rail Kit
- **9741681004**  
Ultra Cooling Kit
- **9741666643**  
1.8 g rms Vibration Protection Hard Disk Drive Kit for Vehicle
- **9681681000**  
USB to Parallel Port Adapter Kit
- **9789666605**  
USB to 4 COMs Converter
- **9789666606**  
USB to 2 COMs Converter
- **9741681006**  
Easy I/O Display Kit
- **9741681008**  
Slim CD-ROM + 2.5" Hard Disk Drive Kit
- **9783204012**  
Automotive Hard Disk Drive 40G