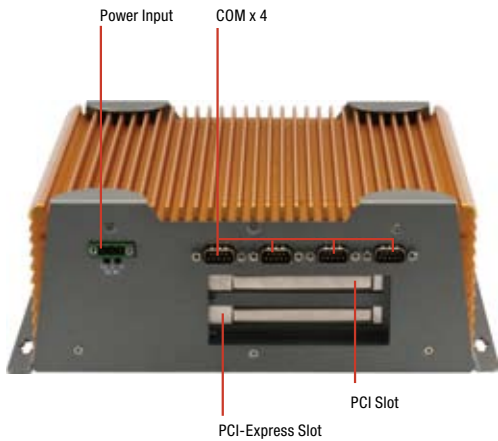
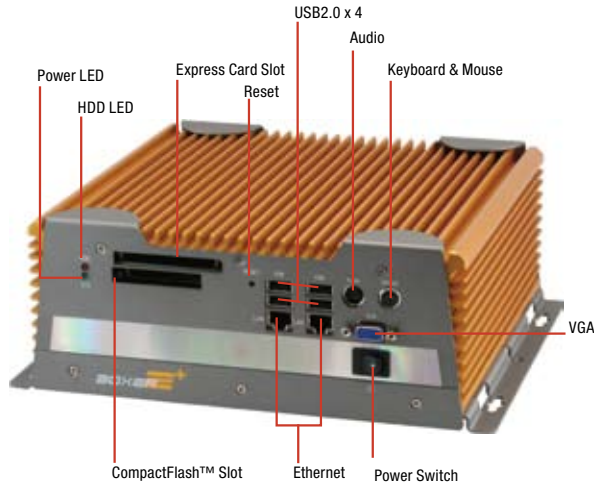


# AEC-6940

Advanced Fanless Embedded Controller With Intel® Core™ 2 Duo Processor And PCI-Express Expansion



## Features

- Fanless Design
- Intel® Core™ 2 Duo Processor
- PCI-Express [x 16] x 1, PCI-Express [x1] x 1
- Wide DC Power Input Range
- Gigabit Ethernet x 2
- COM x 4, USB x 4
- Express Card x 1
- Mini Card x 1
- ATX Power Function



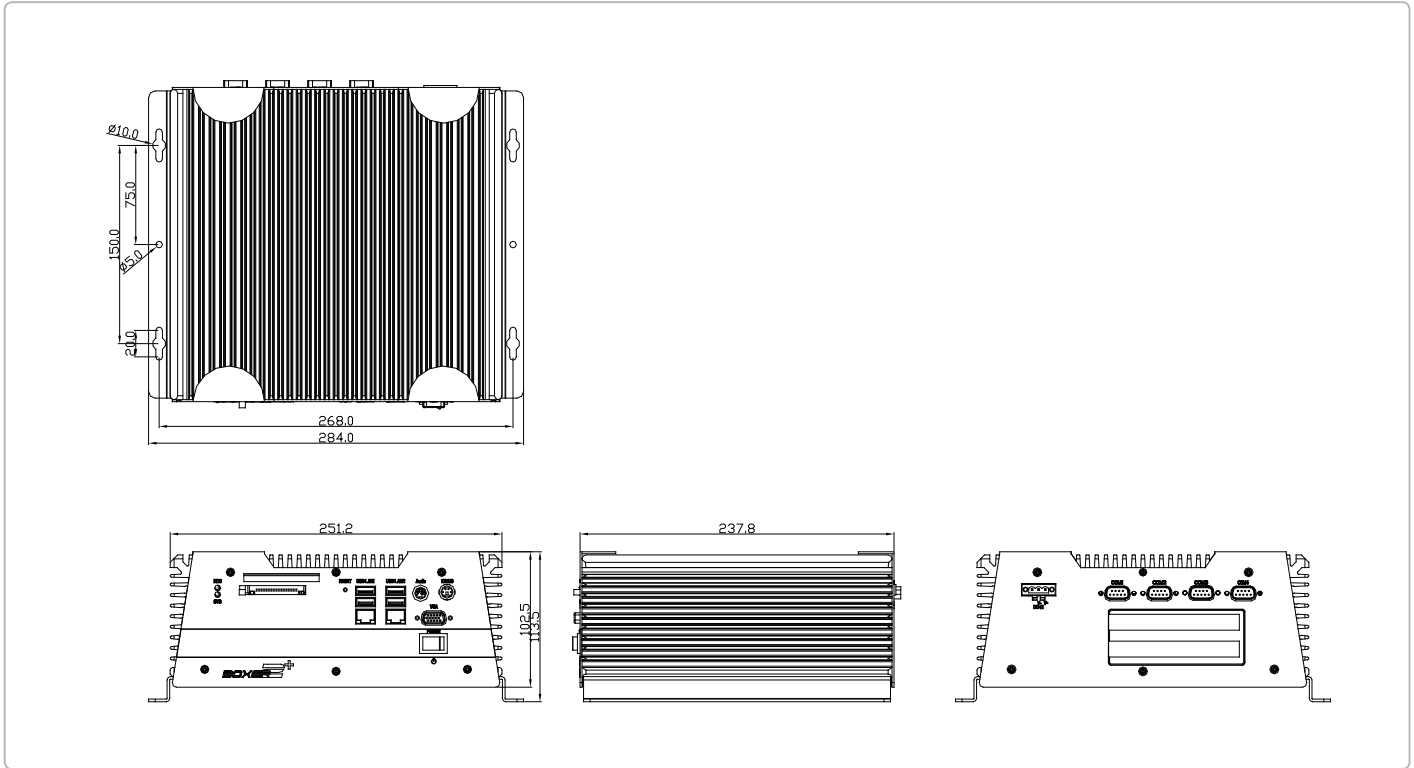
## Specifications

CPU	Intel® Core™ 2 Duo Processor	
Chipset	Intel® GM45 + ICH9M	
System Memory	204-pin DDR3 SODIMM x 2, Max. 4GB	
Display Interface	VGA	DB-15, shared system memory up to 512MB/ DVMT 5.0
	DVI	—
	Others	—
Storage Device	SSD	Type 2 CompactFlash™ Slot x 1
	HDD	SATA 3.0Gb/s HDD bay x 1
Network	LAN	Gigabit Ethernet
	Wireless	—
Front I/O	USB Port	4
	LAN	RJ-45 x 2
	Serial Port	—
	DIO	—
	Audio	Line-in/ Line-out/ Mic-in, requires an extension cable
	KB/MS	PS/2
	Others	Power button x 1, Express Card socket x 1, Reset button x 1, SYS LED x 1, HDD LED x 1, CompactFlash™ slot x 1
Rear I/O	USB Port	—
	LAN	—
	Serial Port	RS-232 x 3, RS-232/422/485 x 1
	DIO	—
	Audio	—
	KB/MS	—
Others	Power inlet x 1	
Expansion	PCIe [x1]	1 (version A), PCIe [x 16] x 1 (A/B version)
	PCI	1 (version B)
	Mini Card	1
	Mini PCI	—
Others	Express Card socket x 1	
Indicator	Front	System LED x 1, HDD LED x 1
	Rear	—
Power Requirement	DC 9-30V	
Power Consumption	DC 19W/ 2.84A	
System Cooling	Passive cooling	
Mounting	Wallmount	
Operating Temperature	No Airflow	Ambient with Airflow
	32°F ~ 131°F (0°C ~ 55°C) Wide Temperature CFD with WT RAM x 2	5°F ~ 149°F (-15°C ~ 65°C) Wide Temperature CFD with WT RAM x 2
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	5 g rms/ 5 ~ 500Hz/ operation – CFD	
	1 g rms/ 5 ~ 500Hz/ operation – HDD	
Anti-Shock	50 G peak acceleration (11 msec. duration) – CFD	
MTBF	37,000	

# AEC-6940

## Dimension

Unit: mm



Certification	EMC	CE/FCC class B
	Safety	—
Dimension (W x H x D)	9.9" (W) x 4" (H) x 9.4" (D) (251.2mm x 102.5mm x 237.8mm)	
Gross Weight	15.4 lb (7 Kg)	

## Ordering Information

- TF-AEC-6940-A1-1010**  
 Embedded Controller, Intel® Core™ 2 Duo 2.53 GHz (T9400), 2 PCI-E [x 16 + x 1], DC 9-30V/ATX, 2 GB RAM, 4C, 4U, VGA, 2 LAN, Express Card
- TF-AEC-6940-A2-1010**  
 Embedded Controller, Intel® Core™ 2 Duo 2.26 GHz (P8400), 2 PCI-E [x 16 + x 1], DC 9-30V/ATX, 2 GB RAM, 4C, 4U, VGA, 2 LAN, Express Card
- TF-AEC-6940-A4-1010**  
 Embedded Controller, Intel® Celeron® M 1.9 GHz (T3100), 2 PCI-E [x 16 + x 1], DC9-30V/ATX, 2 GB RAM, 4C, 4U, VGA, 2 LAN, Express Card
- TF-AEC-6940-B1-1010**  
 Embedded Controller, Intel® Core™ 2 Duo 2.53 GHz (T9400), 1 PCI-E, 1 PCI, DC 9-30V/ATX, 2 GB RAM, 4C, 4U, VGA, 2 LAN, Express Card
- TF-AEC-6940-B2-1010**  
 Embedded Controller, Intel® Core™ 2 Duo 2.26 GHz (P8400), 1 PCI-E, 1 PCI, DC 9-30V/ATX, 2 GB RAM, 4C, 4U, VGA, 2 LAN, Express Card
- TF-AEC-6940-B4-1010**  
 Embedded Controller, Intel® Celeron® M 1.9 GHz (T3100), 1 PCI-E, 1 PCI, DC 9-30V/ATX, 2 GB RAM, 4C, 4U, VGA, 2 LAN, Express Card

## Optional Accessories

- 1757912001**  
 AC Adapter (120W); Output: DC 19V
- 1702031830**  
 Power Cord (US Type)
- 1702031831**  
 Power Cord (European Type)
- 170031810**  
 Power Cord (Japanese Type)
- 9741694007**  
 Dual 2.5" SATA HDD Kit
- 9741694008**  
 3.5" SATA HDD Kit
- 9741694009**  
 Slim DVD-RW + SATA 2.5" HDD Kit