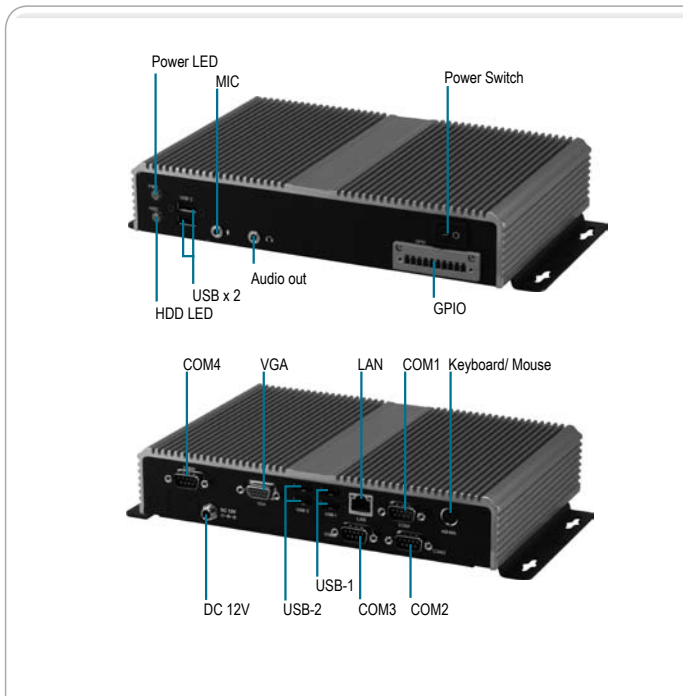


FES-5120

Flexible Embedded System Controller With Intel® Atom N270 Processor



Features

- Intel® Atom™ N270 1.6 GHz Processor
- Intel® 945GSE + ICH7M Chipset
- 200-Pin Non-ECC DDRII 400/533 SODIMM x 1, Up To 2 GB
- VGA Single View
- Realtek PCI-Express 10/100/1000Base-TX Ethernet x 1
- 2.5" SATA Hard Disk Drive Bay x 1
- USB2.0 x 6, COM x 4, CompactFlash™ x 1, 8-Bit Digital I/O
- Fanless
- Cost-Effective Solution



Packing List

- 60W AC-DC Power adapter
- Utility CD-ROM
- FES-5120

Ordering Information

- TF-FES-5120-A10

Flexible Embedded System, Intel® Atom™ N270 CPU, VGA, 1 GbE LAN, 6 USB, 4 COM, 8-Bit DIO, Audio, Rev A1.0

Optional Accessories

- **1702031802**
(TF)Power Cord, 3P-125V/10A 180D, 1.8M, USA
- **1702031803**
(TF)Power Cord, 3P-250V/10A 180D, 1.8M, Europe
- **170203180E**
(TF)Power Cord, 3P, 125V/7A 180D, 1.8M, Japan

Specifications

System	
Form Factor	Compact size for Desktop/Wallmount
Main Board	IMBE-945G
CPU	Onboard Intel® Atom™ N270 1.6 GHz Processor
System Memory	200-pin DDRII 400/533 SODIMM 1GB x 1, total up to 2 GB
Chipset	Intel® 945GSE+ ICH7M
Ethernet	10/100/100Base-TX Ethernet x 1
Audio	VIA HD Codec VT1708B 2W amplifier for speaker out
BIOS	Award BIOS 4 Mb Flash EEPROM
I/O Chip	ITE 8712F I/O Controller
Hard Disk Drive	2.5" Hard Disk Drive Bay x 1 with SATA II interface
Solid Storage Disk	CompactFlash™ Type II Socket x 1
LED	Two indicators for Power and HDD
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status
Power Supply	Single 12VDC Input
Weight	—
Dimension (W x H x D)	9.4" x 1.77" x 5.7" (240mm x 45mm x 145mm)
External I/O	
Serial Port	RS-232 x 3 RS-232/422/485 x 1
KB & Mouse	Keyboard/ Mouse x 1
Universal Serial Bus	USB2.0 x 6 (4 at I/O, 2 at Front Panel)
Audio	Audio Jack x 2 (Mic-in, Line-out)
Ethernet	RJ-45 x 1
Display	VGA x 1
Environment	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) (industrial grade SSD only)
Storage Temperature	4°F~140°F (-20°C~60°C)
Operating Humidity	10~80%
Storage Humidity	10~80%, non condensing
Vibration	HD: 0.5 grms/ 5-500 Hz/ random operation
Shock	15G with 11 m/sec, operating