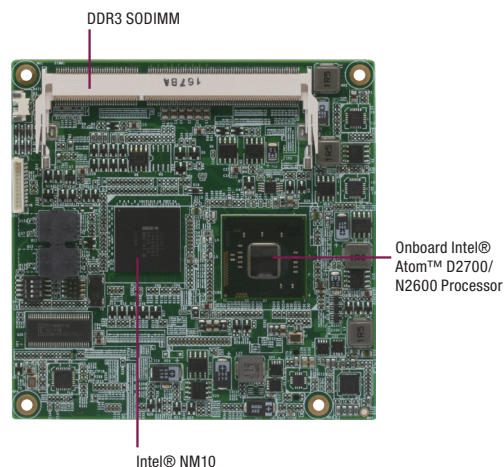


COM Express Type 2 CPU Module with Onboard Intel® Atom™ D2550/N2600 Processor



Features

- Onboard Intel® Atom™ D2550/N2600 Processor
- Intel® NM10
- SODIMM DDR3 1066 Memory, Max. 4 GB
- Intel® 82583V Gigabit Ethernet
- CRT, Up to 24-bit Single Channel LVDS LCD, DisplayPort™
- SATA 3.0Gb/s x 4, USB2.0 x 8, PATA x 1
- PCI-Express [x1] x 2, PCI x 2
- COM Express Compact Module, 95mm x 95mm, Pin-out Type 2, COM.0 Rev. 2.0

Specifications

System	
Form Factor	COM Express compact module, Pin-out Type 2, COM. 0 Rev. 2.0
Processor	Intel® Atom™ D2550/N2600 processor D2700: 2.13GHz N2600: 1.6GHz
System Memory	204-pin DDR3 SODIMM x1, Max. 4GB (DDR3 800/1066) D2550 DDR3 1066: Max. 4GB N2600 DDR3 800: Max. 2GB
Chipset	Intel® NM10
I/O Chipset	Intel® NM10
Ethernet	Intel® 82583V, 10/100/1000Base-TX
TPM	—
BIOS	AMI BIOS SPI type, 4MB ROM
EEPROM	Atmel® AT25080B (8kb), save BIOS and configuration data (Optional)
Wake On Lan	Yes
Watchdog Timer	ITE8516E-L, 255 levels
H/W status Monitoring	Supports CPU temperature monitoring
Expansion interface	PCI-Express [x1] x 2 32-bit PCI x 2 LPC bus x 1 SMBus x 1
Power Requirement	+12V only 2-pin wafer for RTC battery
Power Consumption	—
Board Size	3.74" (L) x 3.74" (W) (95mm x 95mm)
Gross Weight	0.55 lb (0.25 kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C), -40°F ~ 185°F (-40°C ~ 85°C) for WITAS 2
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	—
Display	
Chipset	Intel® Atom™ D2550/N2600 processor integrated DirectX 9, OpenGL *3.0 Integrated hardware MPEG2 decoder
Memory	Shared system memory up to 256MB/ DVMT 4.0
Resolution	Up to 1920 x 1080 for CRT Up to 1920 x 1080 for 18/24-bit LVDS (D2550) Up to 1366 x 768 for 18-bit LVDS (N2600)
LCD Interface	Up to 18/24-bit single channel LVDS
I/O	
Storage	PATA x 1 (One device) SATA 3.0Gb/s x 4
USB	USB2.0 x 8
Audio	High definition audio



Packing List

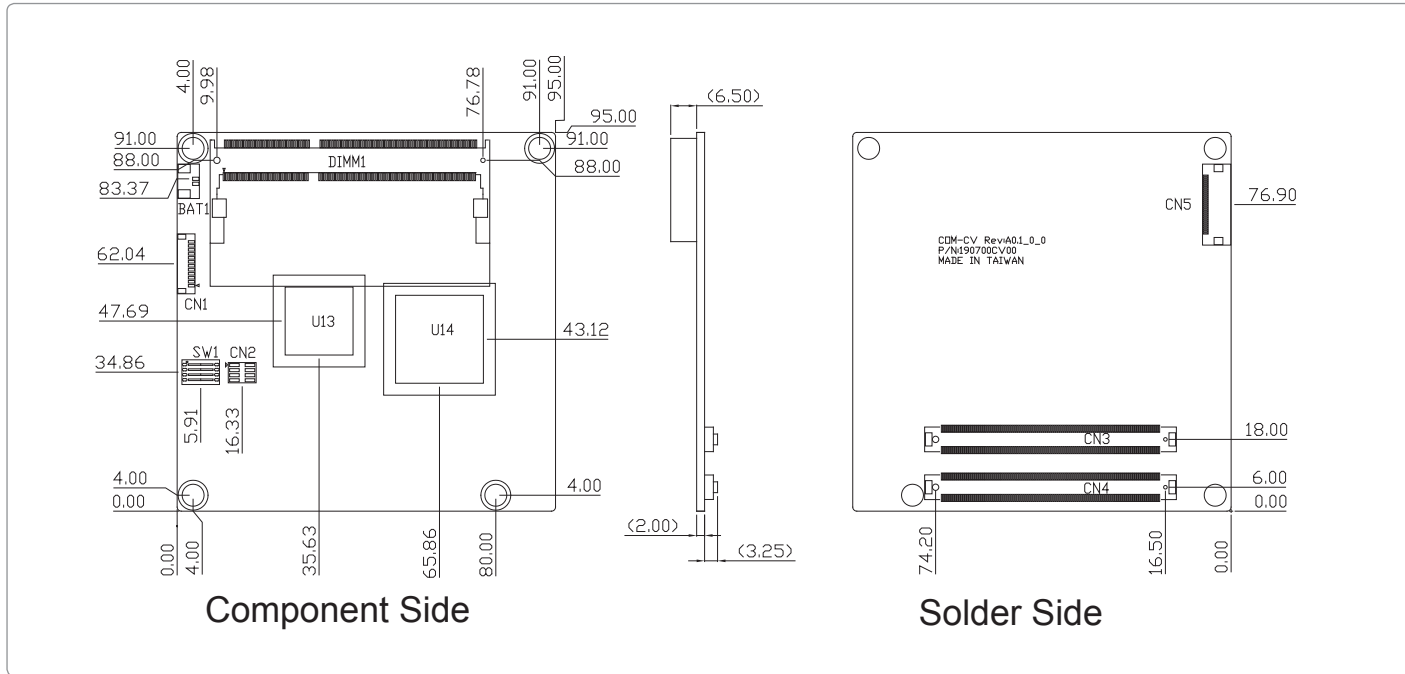
- M2.5 Screw x 4
- Product CD
- COM-CV Rev.A

COM-CV Rev. A

Preliminary

Dimension

Unit: mm



Ordering Information

Part Number	COM Express Type	CPU	Memory	Display	LVDS	Storage	LAN	USB	URAT	Expansion Slot	Power	Temp
TF-COM-CV-A10	2 (COM.0 Rev.2.0)	Intel® Atom™ D2550/1.86G	DDR3 SODIMM x 1 Max.4GB	CRT, LVDS	18/24-bit single channel	SATA2 x 4 PATA x 1	GbE x 1	USB2.0 x 8	—	PCI-E[1] x 2 32-bit PCI x 2	12V	0°C ~ 60°C
TF-COM-CV-A10-01	2 (COM.0 Rev.2.0)	Intel® Atom™ N2600/1.6G	DDR3 SODIMM x 1 Max.2GB	CRT, LVDS	18-bit single channel	SATA2 x 4 PATA x 1	GbE x 1	USB2.0 x 8	—	PCI-E[1] x 2 32-bit PCI x 2	12V	0°C ~ 60°C
TF-COM-CVW2-A10-01	2 (COM.0 Rev.2.0)	Intel® Atom™ N2600/1.6G	DDR3 SODIMM x 1 Max.2GB	CRT, LVDS	18-bit single channel	SATA2 x 4 PATA x 1	GbE x 1	USB2.0 x 8	—	PCI-E[1] x 2 32-bit PCI x 2	12V	WITAS 2 -40°C~85°C

Optional Accessories

- TF-ECB-916M-B11**
 COM Express Type 2 Carrier Board, Micro-ITX, Dual Gigabit Ethernet, 2 COM(Winbond), USB, PCI-Express, AT/ATX, Rev. B1.1
- TF-PER-A116**
 Heat Spreader, For COM-CV
- TF-PER-A117**
 Passive Heatsink, For COM-CV
- TF-PER-A118**
 CPU Cooler, 35W, For COM Express Compact Size