

## Features

- Onboard Intel® Atom™ D2700/N2600 Processor
- Intel® NM10
- SODIMM DDR3 1066 Memory, Max. 4 GB
- Intel® 82583V Gigabit Ethernet
- CRT, Up to 24-bit Dual-Channel LVDS LCD, HDMI
- SATA 3.0Gb/s x 2, USB3.0 x 2, USB2.0 x 8
- PCI-Express[x1] x 5
- COM Express Compact Module, 95mm x 95mm, Pin-out Type 6, COM.0 Rev. 2.0

## Specifications

System	
Form Factor	COM Express compact module, Pin-out Type 6, COM. 0 Rev. 2.0
Processor	Intel® Atom™ D2700/N2600 processor D2700: 2.13GHz N2600: 1.6GHz
System Memory	204-pin DDR3 SODIMM x1, Max. 4GB (DDR3 800/1066) D2700: Max. 4GB N2600: 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 5 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	
	Supports CRT/LCD/HDMI simultaneous/ dual view displays
Chipset	Intel® Atom™ D2700/N2600 processor integrated DirectX 9, OpenGL *3.0 Integrated hardware MPEG2 decoder
Memory	Shared system memory up to 512MB/ DVMT 5.0
Resolution	Up to 1920 x 1200 for CRT Up to 1920 x 1080 for LCD (D2700) Up to 1600 x 1200 for LCD (N2600)
LCD Interface	Up to 24-bit dual-channel LVDS
HDMI	Supports HDMI x1
DisplayPort	Supports DisplayPort™ x 1 (optional, shared with 24-bit dual-channel LVDS)
I/O	



Storage	SATA 3.0Gb/s x 2
Serial Port	UART x 2 (TX/RX only)
USB	USB2.0 x 8 USB 3.0 x 2
Audio	High definition audio
GPIO	Up to 4 in and 4 out

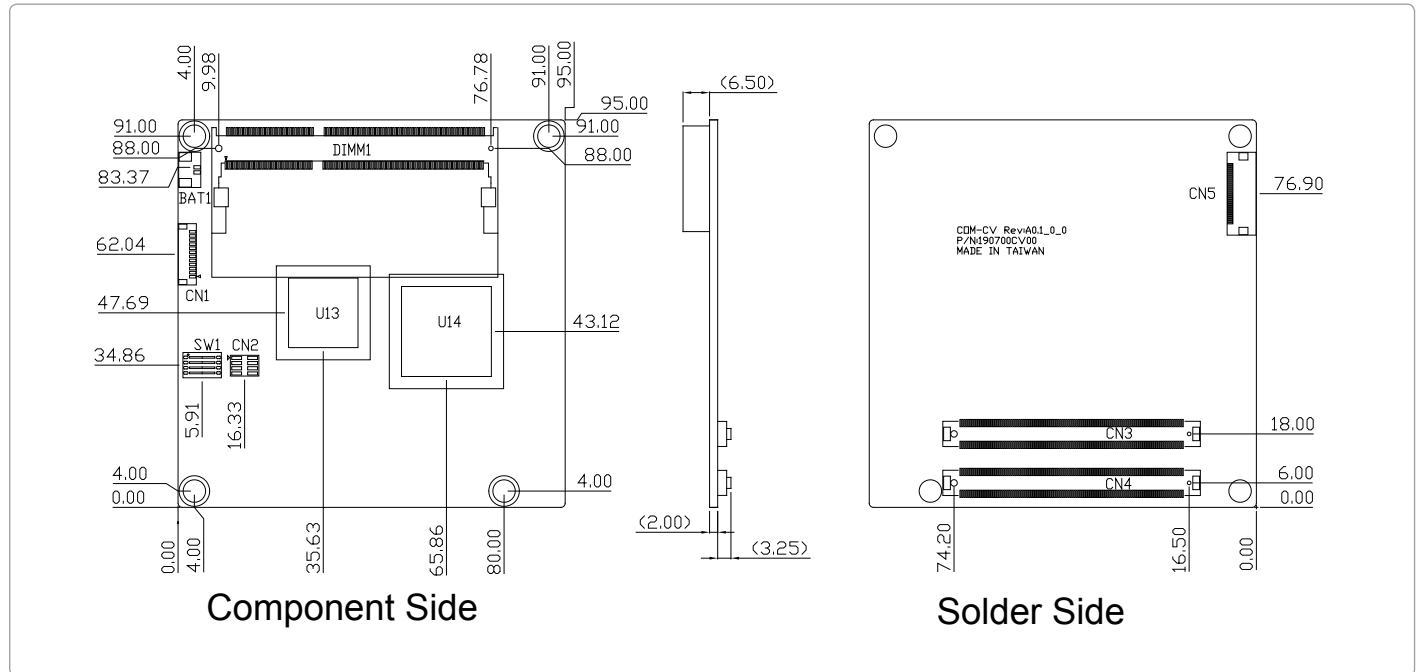
## Packing List

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

# COM-CV Rev.B

## 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-B10	6 (COM.0 Rev.2.0)	Intel® Atom™ D2700/2.13G	DDR3 SODIMM x 1 Max.4GB	CRT, LVDS, HDMI, DP	24-bit Dual Channel	SATA2 x 2	GbE x 1	USB3.0 x 2 USB2.0 x 8	2 (TX/RX)	PCI-E [x1] x 5	12V	0°C ~ 60°C
TF-COM-CV-B10-01	6 (COM.0 Rev.2.0)	Intel® Atom™ N2600/1.6G	DDR3 SODIMM x 1 Max.4GB	CRT, LVDS, HDMI, DP	24-bit Dual Channel	SATA2 x 2	GbE x 1	USB3.0 x 2 USB2.0 x 8	2 (TX/RX)	PCI-E [x1] x 5	12V	0°C ~ 60°C
TF-COM-CVW2-B10-01	6 (COM.0 Rev.2.0)	Intel® Atom™ N2600/1.6G	DDR3 SODIMM x 1 Max.4GB	CRT, LVDS, HDMI, DP	24-bit Dual Channel	SATA2 x 2	GbE x 1	USB3.0 x 2 USB2.0 x 8	2 (TX/RX)	PCI-E [x1] x 5	12V	WITAS 2 -40°C-85°C

## Optional Accessories

- TF-ECB-917T-A10**  
 COM Express Type 6 Carrier Board, Mini-ITX, Dual Gigabit Ethernet, 2.1CH Audio, 4 COM, USB3.0, PCI-Express, AT/ATX, Rev. A1.0
- 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