

# VT-M2M-TC

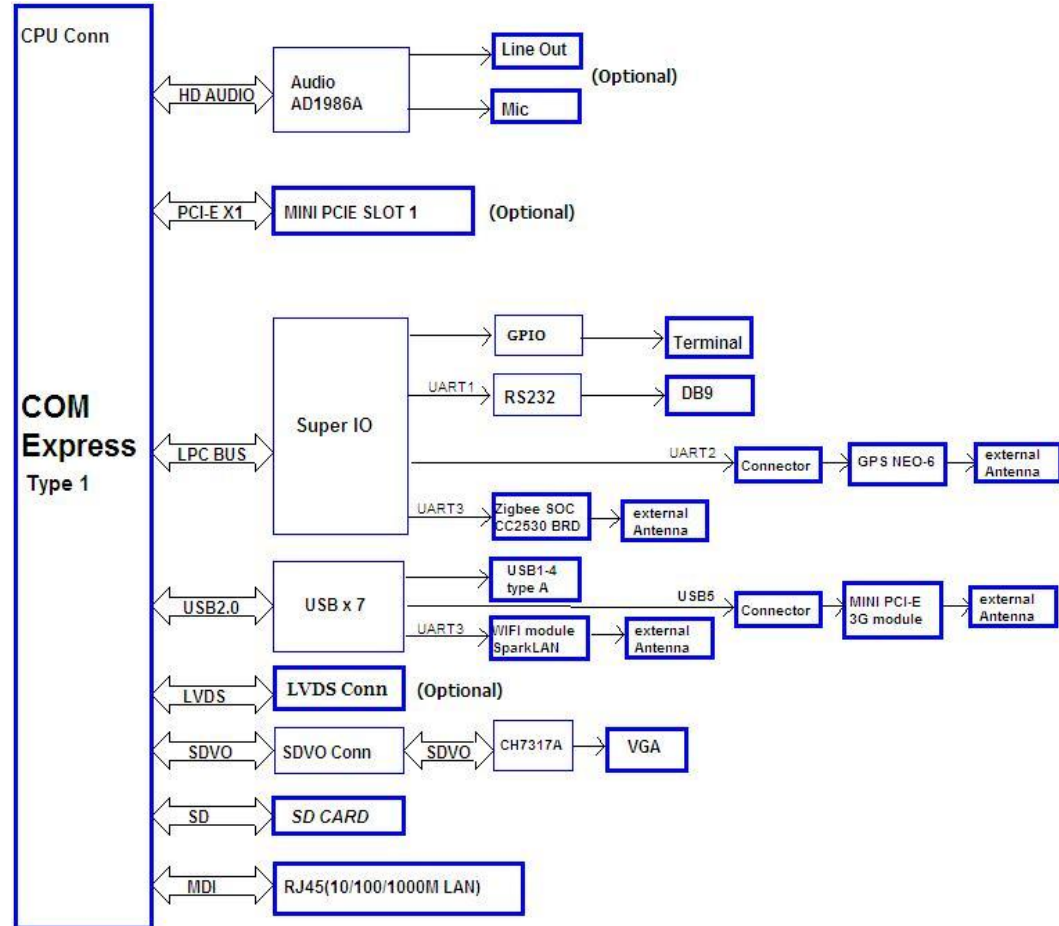
## Features

- Intel ATOM E640(T),1GHz,/E660(T),1.3GHz / E680(T),1.6GHz ,
- 1GB DDR(up to 2GB), 1.8"SATA SSD Module Internal (8GB, or others)
- 1xVGA Display Out, HD Audio out,1 x LVDS Display Out (Optional )
- 1x10/100/1000M-BaseT Ethernet, 2xUSB 2.0, 1xSD/MMC
- 1xPCIe slot, 1xHalf PCIe Slot
- Optional WLAN, 3G/4G Module with SIM slot, GPS and ZigBee
- Microphone, Headphone/line out (Optional )
- Buzzer Alarm, reset button, user input button
- Embedded Security ID chip with SHA-1 algorithm (Optional)
- Windows or Linux
- Fanless, Rugged Design, Aluminum Alloy Enclosure
- Wide Power Input DC24V(9-36V), Locked Power Jack



## Specifications

CPU	Processor	Intel® ATOM™, E620(T) 600MHz, E640(T)1GHz, E660(T)1.3GHz, E680(T),1.6GHz 32KB Instruction cache +23KB L1 cache, 512KB L2 cache	
	On Board RAM	DDR 1GB ( up to 2GB), 533MHz	
Memory	ROM Internal	1.8"SATA SSD Module Internal (8GB, or others)	
	Chipset	Intel® Platform Controller Hub EG20T. Support LCD/SDVO, Simultaneous/dual view display	
Display	Resolution	Up to 1280 x 1024 @ 60Hz for VGA Decode:H.264,MPEG4, MPEG2,VC1,WMV-9, Div-X Encode:H.264,MPEG4,	
	Interface	1xVGA (DB15) 1xLVDS (Optional Internal)	
	Wireless Communication	WLAN: Optional 802.11 b/g/n Wireless Module, external antenna Support 1x Half PCIe Wireless card	
Wireless Communication	3G Module	Optional 1x PCIe 3G Broad Band Module with SIM slot	
	ZigBee	Optional low power Zigbee Module, external antenna	
	GPS	Optional GPS module, external antenna	
Peripheral Interfaces	Ethernet	1x10/100/1000-BaseT(RJ45)	
	USB	2xUSB2.0 Host (Type A)	
	Audio	HD Audio, 1xMIC in 3.5mm, 1xline Out 3.5mm ( optional )	
	COM Port	1xDB9 External, 1xRS232 Internal 1xCAN 2.0b	
	Alarm	Buzzer Out	
	SD card	1xSD card Slot (Optional )	
	RTC	Supported	
	Control	Reset Button on the top	
	GPIO	Reserved GPIO (Terminal)	
	UART	1x full function UART use DB9	
	Accelerometer	On Board Accelerometer, 3-Axis	
	Security	security	On board Registration Serial Number, and SHA-1 Encrypt/Decrypt Chip DS28E01(Optional)
	Software	OS	Windows, or Linux
Applications		SDK Available	
Power	Input	DC24V(9-36V), Locked Power Jack	
	Consumption	6W (Pulse8W), Sleep 2W. (without 3G,GPS,Zigbee,WLAN)	
Mechanical	Dimensions	138x102x52mm (Box)	
	Install Brackets	160x102x52mm	
	Weight	0.6Kg (1.2Kkg package Kit)	
	Enclosure	Aluminum Alloy with Black Color	
Environment Condition	Temperature	Operating:-0°C ~ +60°C ( ETR:-40°C ~ +80°C Optional) Storage: -20°C ~ +70°C, ( ETR:-40°C ~ +85°C Optional)	
	Humidity	5-95%RH at 25-35 (Non-Condensation)	
	Cooling Mode	Fan less, Heat Sink	
	Approvals	UL, FCC Class B, and CE	



### Order Code

VT-M2M-TC-4-1GM-8GF-GWZP-V

Version:  
I: Extended Temperature  
Blank: Commercial Temperature

Wireless Module Option:  
2G: 2G, 3G: 3G, W: WLAN, Z: Zigbee, P: GPS

SSD Memory Size: 8G:8GB, 16G: 16GB

DDR Memory Size: 5:512MB, 1G: 1GB, 2G: 2GB

CPU Speed: 2:600MHz, 4:1GHz, 6:1.3GHz, 8:1.6GHz

### Order Examples

VT-M2M-TC-2-1GM-8GF	ATOM E620 Processor, 600MHz CPU, 1GB DDR2
VT-M2M-TC-4-1GM-8GF	ATOM E640 Processor, 1GHz CPU, 1GB DDR2
VT-M2M-TC-6-1GM-8GF-W	ATOM E660 Processor, 1.3GHz CPU, 1GB DDR2, 8G Flash, WLAN
VT-M2M-TC-8-1GM-8GF-3GW	ATOM E680 Processor, 1.6GHz CPU, 1GB DDR2, 8G Flash, 3G,WLAN

### Accessories

Install Mechanical tools	1pc
Power Adapter with locked connector (Optional)	1pc
Power Terminal (3x5.08mm) ( Optional )	1pc
3G Antenna ( Optional )	1pc
WLAN Antenna ( Optional )	1pc
Zigbee Antenna ( Optional )	1pc
GPS Antenna ( Optional )	1pc

### NOTES:

All specifications are subject to change without notice. Please contact Vantron for additional requirements.



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