

Vantron VT-M2M-BTA-DE is a high performance X86 processor based gateway specifically designed for Machine-to-Machine(M2M) communication and Internet of Things (IoT) applications.

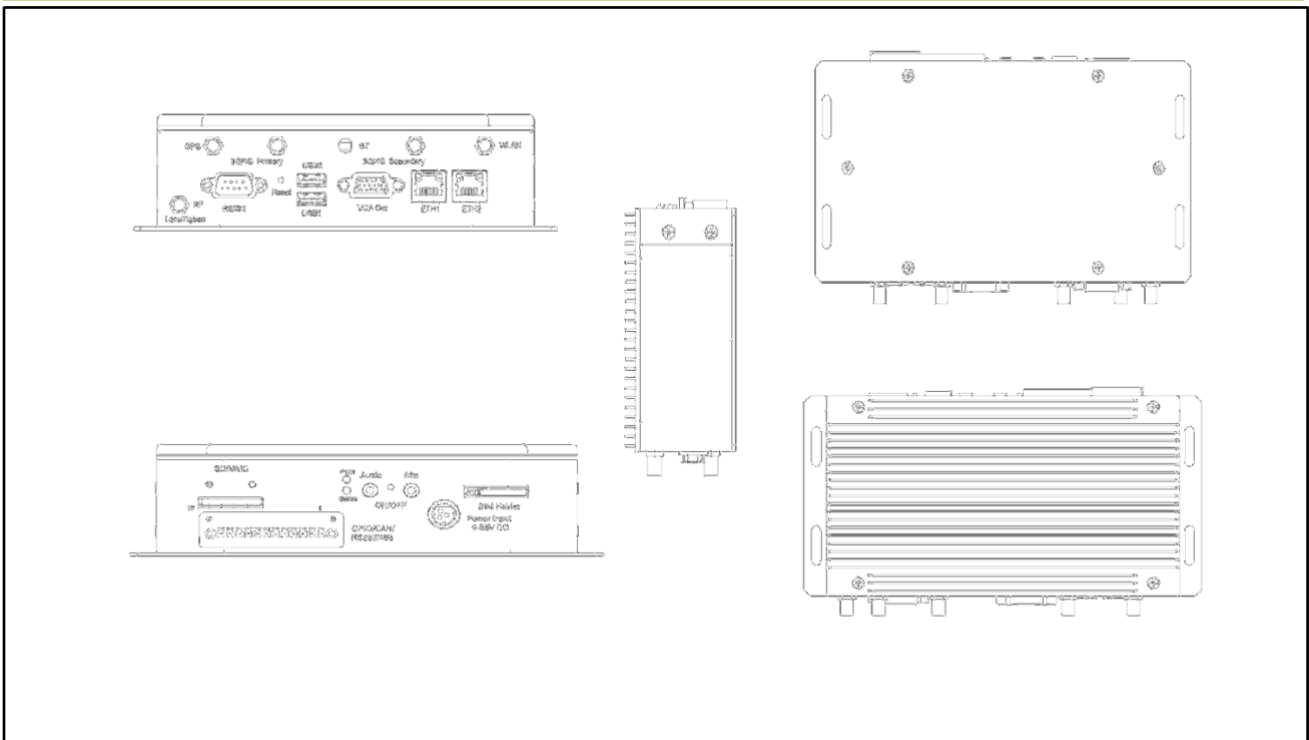
Based on Intel industrial ATOM Baytrail E3815/3827/3845 (single/dual/quad core) processor, this device provides various wireless supports including 3G/4G cellular, WLAN, GPS, Zigbee, Lora, Bluetooth, and Iridium (9603). This device also supports interface I/Os including two Gigabit Ethernet, RS-232/485, VGA, USB, SD Card, and GPIOs.

This device has a wide-range power supply input (9-36V) and runs either Linux or Windows 7/8/10 OS. The SDK is available.



## Specifications

System	Processor	Intel® ATOM™, E3815/1.46Ghz, E3827/1.75Ghz, E3845/1.91GHz Single/ Dual/ Quad Core Processor
	RAM	Up to 2GB On Board DDR3L
	Internal SSD	16GB or Other Size SDD (Internal half SATA)
Display	Resolution	VGA up to 2560x1600@60Hz
	Interface	1xVGA (DB15)
Wireless	WLAN / BT	Optional 802.11 b/g/n module, With Bluetooth.
	Cellular	Optional GPRS/3G/4G Module with SIM Card
	Zigbee / LORA	Optional Low Power Zigbee or LORA Module
	GPS	Optional GPS Module
I/O Ports	Ethernet	2x10/100/1000-BaseT(RJ45)
	USB	2xUSB Host (Type A)
	Audio	1xMIC 3.5mm, 1xHeadphone 3.5mm
	COM Ports	1xRS232/422/485 (Full Function, DB9) 1xRS232/485 (2-Wires, Green Terminal)
	CAN	1xCAN 2.0b
	Buzzer	Buzzer Out
	SD Card	1xSD Card Slot
	RTC	Support
	Control	Reset Button
	GPIO	GPIO (Green Terminal)
	Accelerometer	On Board Accelerometer, 3-Axis
Security	Security	On board Registration Serial Number, and SHA-1 Encrypt/Decrypt Chip DS28E01(Optional) Optional TPM module
Software	OS	Support Windows, Linux or Intel IDP OS
	SDK	Support
Power	Input	DC12 / 24V(9-36V), With Power Jack
	Consumption	6W (MAX 8W), Sleeping 2W. (Without 4G, GPS, LORA, WLAN)
Mechanical	Dimensions	176mm x 101mm x 52mm (Box)
	Install Brackets	198mm x 101mm x 52mm
	Weight	0.6Kg (1.2Kg With Package)
	Enclosure	Aluminum Alloy with Black Color
Environment Condition	Temperature	Operation: -20°C ~ +70°C, (Optional Wide Temp:-40°C ~ +85°) Storage: -40°C ~ +85°C
	Humidity	5-95%RH (Non-Condensation), operating and storage
	Cooling Mode	Fanless, Heat Sink
Approval	Approvals	UL, FCC, CE, RoHS, PTCRB



## Accessory

Installation Tool (Optional)	1pc
Power Adapter	1pc
I/O Green Terminal (12x3.81mm)	1pc
4G/GPRS Module (Optional)	1pc
WIFI/BT Module (Optional)	1pc
GPS Module (Optional)	1pc
Zigbee/LORA Module (Optional)	1pc
Installation Tool (Optional)	1pc

## Order Information

VT-M2M-BTA-DE	-X	X	XX
	S: Single	1:1G DDR	16: 16G SSD
	D: Dual	2:2G DDR	32: 32G SSD
	Q: Quad		
			Or Other Size
<b>Sample</b>	VT-M2M-BTA-DE-Q232		

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