

L335 Industrial Gateway



Product Brief








Vantron L335 industrial gateway is powered by AM3352 ARM Cortex-A8 processor that features rich peripheral interfaces for flexible expansion and as low as 5W power consumption in working mode to go through 12 weeks' work after full charge, making it particularly suitable for application in remote areas. The gateway supports geofence setup so that users can define a radial boundary for it to track the device in real-time.

L335 adopts industrial design with guaranteed quality and reliability to offer an ideal solution for your IoT applications. It supports a variety of communication technologies including Ethernet, 3G/4G, NB-IoT, Wi-Fi and Bluetooth, ZigBee, GPS for different scenarios requiring multiple connectivity points. Meanwhile it supports connection to Vantron BlueSphere cloud platform for unified management to ease the efforts of users and improve productivity by real-time monitoring and tracking, OTA updates, remote maintenance, task assignment and follow-up.

Exterior and Features



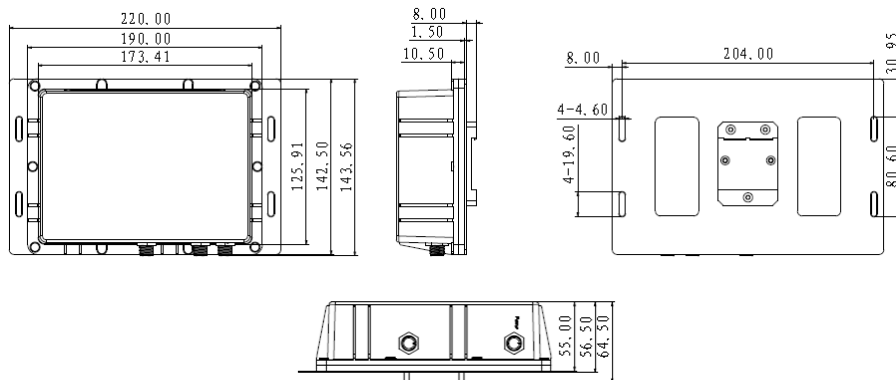
L335

-  TI AM335x, 32-bit ARM Cortex-A8 processor
-  Multiple communication technologies
-  Rich interfaces
-  Ultra-low power consumption
-  Wide input voltage
-  Wide temperature range
-  Complete industrial design

L335 Industrial Gateway Datasheet

L335			
System	CPU	TI AM335x, 32-bit quad-core ARM Cortex-A8 processor, 600MHz	
	Memory	512MB DDR3L	
	Storage	16GB eMMC	
		EEPROM 128Kb (MCU) + 1Kb (CPU)	
		1 x Micro SD slot	
Communication	Ethernet	1 x M12 connector, 10/100Base-T	
	Cellular	1 x Mini PCIe for 3G/4G module (LTE CAT 1/M)	
	Wi-Fi & BT	On-board Wi-Fi 802. 11 b/g/n + BT 5.0 (Optional: BT 4.2)	
	ZigBee	Optional	
	GNSS	Optional: GPS/Beidou/Glonass/Galileo/QZSS	
	Antenna	Internal antennas (external antennas supported)	
I/Os	Serial port	1 x Serial debug port (audio jack: for debugging/local configuration) 1 x M12 connector with RS232, RS485, CAN 2.0b	
	USB	1 x Micro USB (OTG supported, USB to Ethernet connectivity supported)	
	Digital/Analog	2 x DI	
		2 x DO	
		2 x AI	
	Relay output	1 x Relay output	
	SIM slot	1 x SIM slot	
	Accelerometer	Supported	
	Temperature sensor	Supported ($\pm 0.5^{\circ}\text{C}$)	
	RTC	Supported	
System control	LED indicator	4 x Status indicator (charge/alive/report/power)	
	Button	1 x Battery switch (ON by default, to enable/disable power supply by the battery)	
		1 x Reset button	1 x Restore button
Software	OS	VantronOS	
	Custom development	SDK available	
	Upgrade	OTA upgrade	
	Add-on features	Geofence supported	
Power management of DC and battery monitor			
Power	Input	12V DC (6V-56V)	
	Battery	3.7V, 12800mAh chargeable battery, IP67 covered (Supports up to 12 weeks of work without solar input)	
	Consumption	Pulse: 5W	Idle: 100uA
Mechanical	Dimensions	220mm x 144mm x 64.5mm	
	Enclosure	Black plastic	
	IP rating	IP67 (chemical resistant, UV resistant, Gravel bombardment proven)	
	Installation	DIN rail mounting/Magnetic mounting/Wall mounting	
Environment Condition	Temperature	Operating: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$	Storage: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ (Optional: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$)
	Humidity	RH 5%-95% @ $20^{\circ}\text{C} \sim 35^{\circ}\text{C}$ (Non-condensing)	
	Cooling mode	Fanless	
	Certification	UL, FCC, CE, PCTRB	

Product Outlines



Ordering Information

Ordering No.	4G/LTE	DIN rail mounting bracket
L335-FMNA	CAT M	Yes
L335-F1NA	CAT 1	Yes
L335	-	Yes

* More variants are available, please contact the sales executive for details.

Packing list	
L335 industrial gateway	1
DIN rail mounting bracket	1

Optional accessories	
12V DC Power adapter	1
M20 3-pin power cable	1

Since its establishment in 2002 by two Silicon Valley entrepreneurs, Vantron Technology has been at the forefront of the connected IoT devices and IoT platform solutions. Today, Vantron boasts a global customer base that includes several Fortune 500 companies. Its product lines cover edge intelligent hardware, IoT communication devices, industrial displays and BlueSphere cloud device management platform.

Vantron offers IoT communication devices that enable multi-protocol connections for industrial equipment and local data processing through edge computing. With abundant wired and wireless connectivity options, remote operations and maintenance have become easier than ever. Such devices can be deployed across different sectors such as smart retail, medical and warehousing. Moreover, Vantron’s IoT solutions are designed to facilitate enterprises’ digital transformation, streamline operations, enhance productivity, etc.