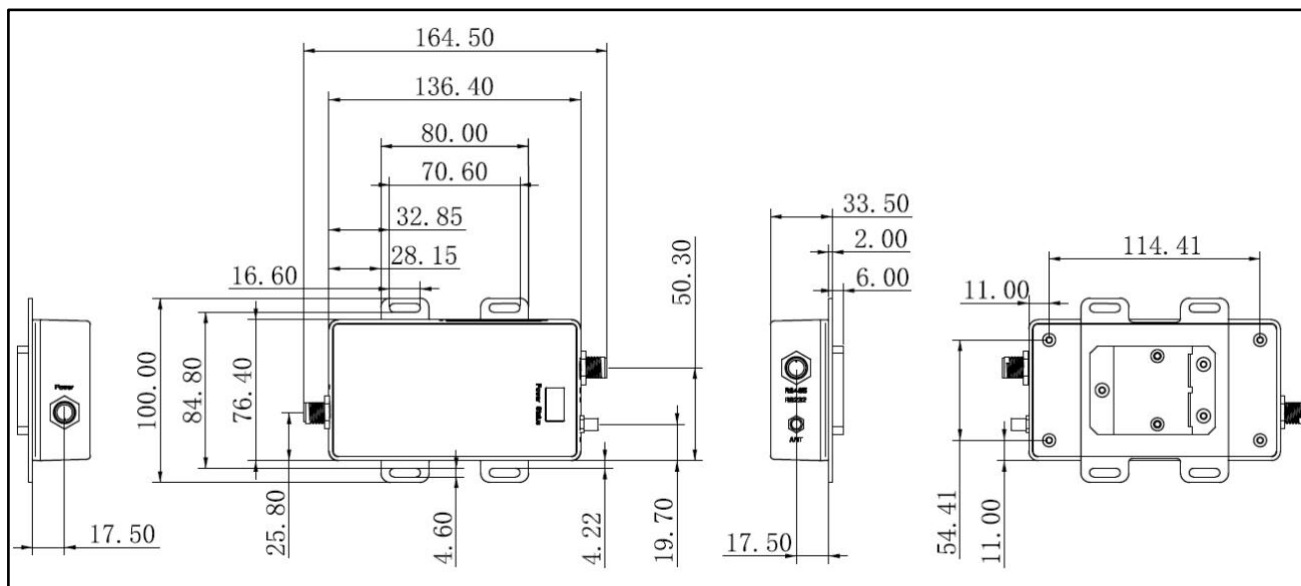# VT-DTU-MODLORA

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Vantron VT-DTU-MODLORA is a low-power, cost-effective, configurable device specifically designed for Machine-to-Machine (M2M) communication and Internet of Things (IoT) applications.

Powered by an industrial MCU Low Power processor, this embedded device has integrated an internal LORA module supporting both 433MHz, 868MHz and 915MHz. The device also supports the interface I/Os including RS-232 and RS-485. It has the IP65 protection (Option IP67) and a wide-range power supply input (8-36V). The product runs Linux OS. A Software Development Kit (SDK) is available.

Specifications

System	Processor	Low Power ARM Processor
	Storage	RAM: 64KB Memory Flash: 256KB
I/O Ports	COM Ports	1XRS485 (in 8Pin M12 connector) 1XRS232,3-Wires (in 8Pin M12 connector) 1x RS232, Debug Port (1x3x1.25mm connector, Internal)
Wireless	LORA	Support LORA WLAN Support 433MHz/868MHz/915MHz Frequency Range
Software	OS	Built-In Firmware
	SDK	Support LORA SDK
Power	Input	8-36V Input
Mechanical	Dimensions	136.5mm x 76.5mm x 31.5mm (Without DIN) 136.5mm x 76.5mm x 39.5mm (With DIN) 136.5mm x 100mm x 33.5mm (With Mounting Bracket)
	Protection	IP65 (Optional IP67)
	Enclosure	Black Plastic Shell
Environment Condition	Temperature	Operating: -10°C ~ +70°C (Optional Wide Temperature:-40°C ~ +80°C) Storage: -40°C ~ +85°C
	Humidity	10-85%RH (Non-Condensation), operating and storage
	Cooling Mode	Finless

VT-DTU-MODLORA

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Accessory

Installation Tool (Optional)	1pc
Power Adapter	1pc
M12 Connector	1pc
LORA Module	1pc
LORA Antenna	1pc

Order Information

VT-DTU-MODLORA	-X	XX
	M: M12 Connector	65: IP65
		67: IP67
Sample	VT-DTU-MODLORA-M65	

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