



ResIoT-X2-Din-868

IOT BOX LoRaWAN™ DIN-rail mounting industrial Gateway 868Mhz Eu

ResIoT presents the latest generation of LoRaWAN™ Gateway for IIoT (Industrial IoT) applications. Thanks to construction materials and DIN rail mounting, the ResIoT x2-Din gateway is ideal for installation in very difficult environments and typically meets the requirements of any industrial application. It is ideal for demanding markets: Smart Grid, Energy, Telecom and Broadcasting. This flexible solution provides durable, low-power, widearea connectivity in support of M2M and IoT applications. It is suitable for indoor installation or with suitable external houses for outdoor installation. The ResIoT-X2 gateway supports a range of industrial temperatures: -40° / $+85^{\circ}$





ResIoT-X2-Din-868 Specifications

Processor & Memory	ARM Cortex-A7 Processor 528/629MHz RAM DDR3 256MB, NAND FLASH 256MB, Cache 32 KB-I, 32 KB-D, 128 KB L
Radio Frequency LoRa	LoRa® 863~870Mhz, Chipset Semtech SX1301 + 2*SX1257 RF end-front 8 Multi-SF LoRa Channels Able to receive up to 8 LoRa® modulated packets simultaneously Protocol 1.02, 1.1. Class A,C and B (only GPS Version) Max TX Power +27 dBm, Receiving Sensitivity -142.5dBm
Power Supply/Consumption	5V/1A , About 5V/0.8A
Working Temp.	-40°C~85°C. Operating Humidity 10%~90%, no condensing
Relative Humidity	20% to 90%, non-condensing
Gps/GNSS (only GPS version)	GNSS: BeiDou, Galileo, GLONASS, GPS / QZSS Number of concurrent GNSS: 3
Modem	GLOBAL EDGE GSM/GPRS, 3G, 4G

ResIoT-X2-DIN Datasheet v.1.3 - 15-01-2019



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(only Modem version)	Regulatory: GCF/ CE/ FCC/ PTCRB/ IC/ Anatel/ IFETEL/ SRRC/ NAL/ CCC/ KC/ NCC/ JATE/ TELEC/ RCM/ ICASA
Connectors	Ethernet 1 RJ-45 10/100 1 x USB Host, 1 x Micro USB Device LoRa 1xSMA Debug Connector 2.5mm pitch 3-pin Headers, TTL Gps/GNSS 1xSMA (only GPS version) LTE Antenna 1xSMA (only Modem version)
OS	Linux 4.1.15 (Yocto)
Software	SSH, OpenVPN Three modes of use: 1) LoRaWAN Gateway with ResIoT Base Station Client (for simple or carrier grade networks with full control and secure connection with VPN) 2) LoRaWAN Gateway with Semtech Packet Forwarder 3) Industrial IoT Box. On-premises ResIoT LoRaWAN Network Server and ResIoT IoT Platform all in a box with free license 5 nodes upgradable to 96
Size / Dimension	3.871" L x 4.46" W (98.33mm x 113.28mm)
Height	2.717" (69.01mm)





Material	Aluminum, Polycarbonate Panels
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ResIoT-X2 BASE STATION ORDERING INFORMATION

Model	Frequency Support	Description	Radio Channels	GPS GLONASS	GPS/GLO NASS Antenna	Mode m 2G/3G /LTE	LoRa Antenna	2G/3G/L TE Antenna	LoRaWAN Class Device support	Pre-installed Software
ResIoT-X2-ETH-1-868-00	863..870 MHz	ResIoT X2 Gateway 8 channels 868Mhz, Ethernet, 5V power supply Included: 1xLoRa Antenna omni 868Mhz 3 dBi	8	N	N	N	1 x 3 dBi	N	A, C	ResIoT Merlin IoT Box/Base Station Client, SSH Access, Custom configurable for other network servers
ResIoT-X2-ETH-1-868-G0	863..870 MHz	ResIoT X2 Gateway 8 channels 868Mhz, GNSS, Ethernet, 5V power supply	8	YES	1	N	1 x 3 dBi	N	A, B, C	ResIoT Merlin IoT Box/Base Station Client,





		Included: 1xLoRa Antenna omni 868Mhz 3 dBi, 1xGPS/GLONASS Antenna									SSH Access, Custom configurable for other network servers
ResIoT-X2-LTE-1-868-00	863..870 MHz	ResIoT X2 Gateway 8 channels 868Mhz, Ethernet,LTE/4G/3G/2G Modem , 5V power supply Included: 1xLoRa Antenna omni 868Mhz 3 dBi, 1xLTE Antenna	8	N	N	YES	1 x 3 dBi	1	A, C		ResIoT Merlin IoT Box/Base Station Client, SSH Access, Custom configurable for other network servers
ResIoT-X2-LTE-1-868-G0	863..870 MHz	ResIoT X2 Gateway 8 channels 868Mhz, GNSS, Ethernet,LTE/4G/3G/2G Modem , 5V power supply Included: 1xLoRa Antenna omni 868Mhz 3 dBi, 1xLTE Antenna, 1xGPS/GLONASS Antenna	8	YES	1	YES	1 x 3 dBi	1	A, B, C		ResIoT Merlin IoT Box/Base Station Client, SSH Access, Custom configurable for other network servers
ResIoT-X2-POE-SPLITTE R		1 x PoE Splitter 5V Operation Temperature: -40 +70 Degree, Storage Temp: -40 +85 Degree									

