



AarLogic SenseCeiver MODBUS

Industrial Wireless MODBUS Gateway Cat NB1/Cat M1/4G/2G

Product Description

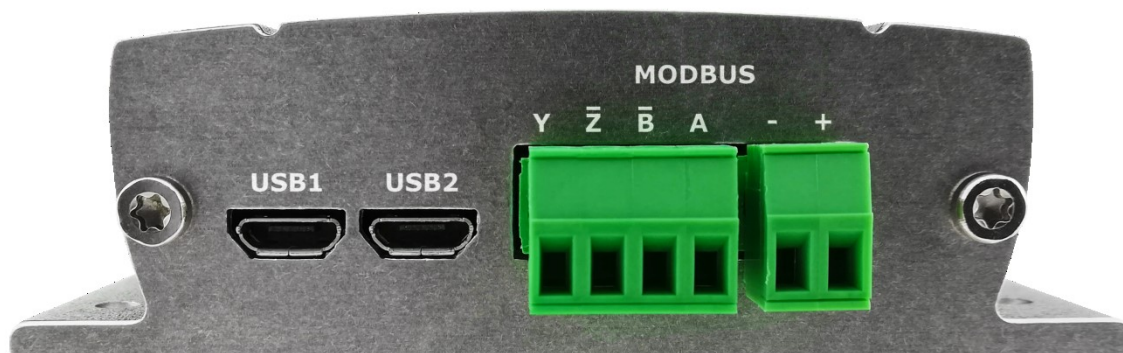
The Industrial Wireless Modbus Gateway was specifically designed for machine communication within the industrial sector. It reads data from MODBUS and transmits it wirelessly to the cloud via cellular technologies. The preinstalled software provides a user friendly plug and play configuration via a USB interface. All relevant measurement registers and transmitting interval can easily be defined. Machine data like water level, running hours, motor speed and temperature can be sent to the cloud via cellular network (NB1, M1, 4G, 3G, 2G) in real time. The data is automatically transferred to the cloud via MQTT. The integrated flash memory stores your data in case of a broken or unstable network.

Supported Cloud Platforms: Telit IoT Portal



Key Benefits:

- Easy to deploy - including a configuration software to define easily all the relevant measurement registers and the transmission interval. The data will be sent automatically via MQTT to the cloud. A SIM card can be optionally preinstalled.
- Industrial Standard – The RS485 interface supports full duplex and half duplex. It uses the MODBUS RTU protocol that is used for industrial communication which makes it compatible with a wide variety of industrial machines and devices.
- Durable design for industrial environments - Rugged Design for industrial Usage.
- Increased connectivity performance with M1/NB1/4G/3G/2G
- Nano SIM card holder – SIM On Chip Footprint available for 1000+ Quantity orders
- Wide range power supply input 9-60 VDC



Connected Machine Modbus	
Product Type	Terminal/Gateway
Product family	Connected Machine
Voltage Supply	9-60V DC
Housing	Aluminium
Module	xE910 family
Wireless Technologies	M1, NB1, 4G, 3G, 2G
Dimensions (mm)	122x85
Height (mm)	26
Memory	2MB Flash in case of network down-times
Microcontroller	32bit
Interfaces	RS485 (terminal block connector), Micro USB, SIM Card Holder
Protocol	Modbus RTU (supports full duplex and half duplex)
Voice/Data/SIM	Data, no SIM, Voice
Antenna Connector	SMA/F (Cellular) Optional: Additional SMA/F Connector (for GNSS antenna or diversity connector)
Operating Temperature	-40°C to +85°C
Certification	CE
Configuration software	Included
Configuration parameters	Transmission interval, selectable machine register entries

	Article Number		
Starter Set	SET-MODBUS485-GE910QUAD	SET-MODBUS485-LE910EUV2	SET-MODBUS485-ME910C1WW
Mass Production	TER-MODBUS485-GE910QUAD	TER-MODBUS485-LE910EUV2	TER-MODBUS485-ME910C1WW
Market	EMEA, North America, Australia, Russia, Latin America, APAC, Africa	EMEA	GLOBAL
Module	GE910-QUAD	LE910-EU-V2	ME910C1-WW
Technology	2G	4G	M1, NB1
Frequency Bands (MHz)	850/900/1800/1900	2100/1800/2600/900/800	M1: 2100/1700/700 NB1: 800/900
Upload	9,6kbps	50Mbps	375kbps
Download	9,6kbps	150Mbps	300kbps
Fallback	n.a.	2G, 3G	2G