

# LYNX Managed IoT RTU Series

## Overview

The WellLynx series of Managed RTU's is the most affordable industrial automation RTUs on the market today. The LYNX RTU is the first fully managed RTU on the market today. With a variety of connectivity, I/O and rich firmware features the LYNX Managed RTU series are suitable for most industrial automation applications. Built using the WellLynx firmware platform the LYNX RTU's offers a rich suite of functionalities and features that is unparalleled. Coupled with our Device Management System (DMS) the Lynx-RTU's are the first fully managed RTU in today's market. The DMS allow for simple and easy deployment, RTU registration & licensing, remote firmware and configuration updates and full monitoring of all the RTU's hardware and system & resources.

With UL CLASS 1 DIV 2 listing and supporting Industrial temperature range of -40 to 85C our RTUs will reliably operate for many years in the harshest conditions



## Features

- LINUX Operating System
- Optional Built-In LTE Modem (Verizon, ATT or T-Mobile)
- Fully Managed IoT RTU
- Remote Software & Configuration Update
- Development SDK (C Language)
- User Defined/Developed Modules
- Web based Remote Configuration
- One File Deployment
- Scheduled, On Demand and By Exception Reporting
- SMS or Email Notifications
- XML based configuration files
- Scheduled & On Demand Reporting
- Multi Interval Data Logging
- Built-in data Visualization tools
- Easy to deploy and manage
- Time Synchronization
- Data & Diagnostics Dashboard
- Store & Forward Capabilities
- Smart Communication Reduces Data size by 90%
- MQTT Messaging
- Protocols
  - MODBUS Master & Slave
  - DNP3
  - OPC-UA
- Advance Modules:
  - Pump Off Controller
  - ISAGRAF 61131
  - ESP Diagnostics
  - PID Control

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## Hardware Specifications

- ARM Cortex A8 – TI AM3358
- 1 GHz Processor
- Fanless Compact Size
- 512 MB or 1 GB RAM
- On Board 4 or 8 GB Flash
- Optional 256 GB Micro SD Card
- 10/100 Ethernet Port
- One UART RS232
- One UART RS485
- Micro HDMI Video Output
- 1 USB 2.0
- 8 to 28 VDC Power
- 5% to 95% RH Humidity
- -40 C to 85 C Operating Temperature
- IO
  - 8 Analog Input 24 bit resolution – (225 or 1000 per second Sampling rate)
  - 1 Analog Output (12 bit resolution)
  - 4 Opto-Isolated Digital Inputs
  - 2 Digital Outputs (relays 350 mA Cont.)
- CLASS 1 DIV 2 Certifications

