

BINMASTER

LTX-100

Gateway



Your “Everything” Gateway.

The BinMaster LTX-100 Gateway simplifies sensor communication by combining multiple functions into one compact, affordable device. Designed for flexibility and scalability, it's your all-in-one solution for connecting level sensors and transmitting data—no matter the communication protocol or industry.

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Fewer Devices. More Capability.

The LTX-100 reduces the number of devices needed to manage your sensor network by integrating multiple protocols into a single enclosure. It's a smart, modular system that is easily configured to your needs.

- › **Standard Out-of-the-Box:** Modbus and LoRa communication
- › **Compact Design:** One small unit delivers big functionality

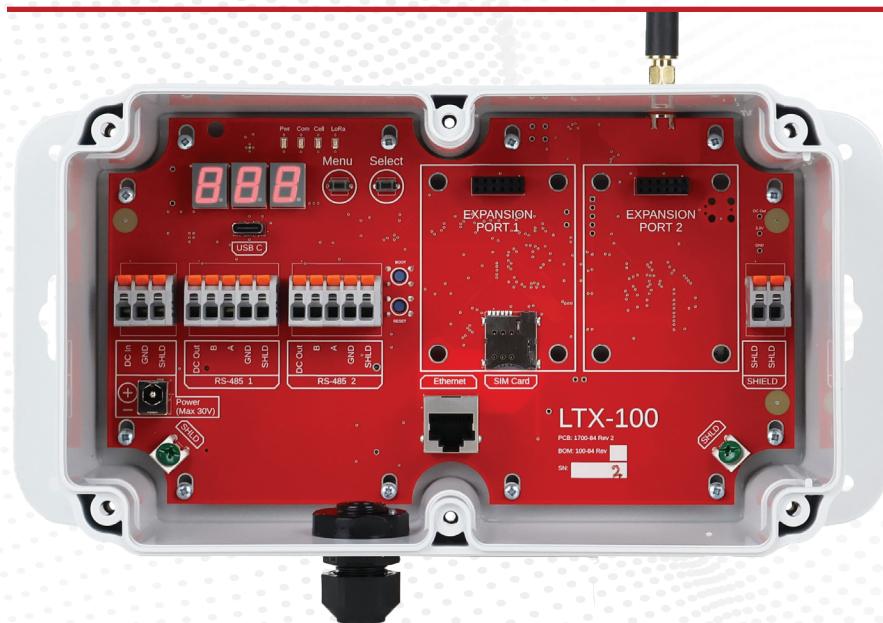
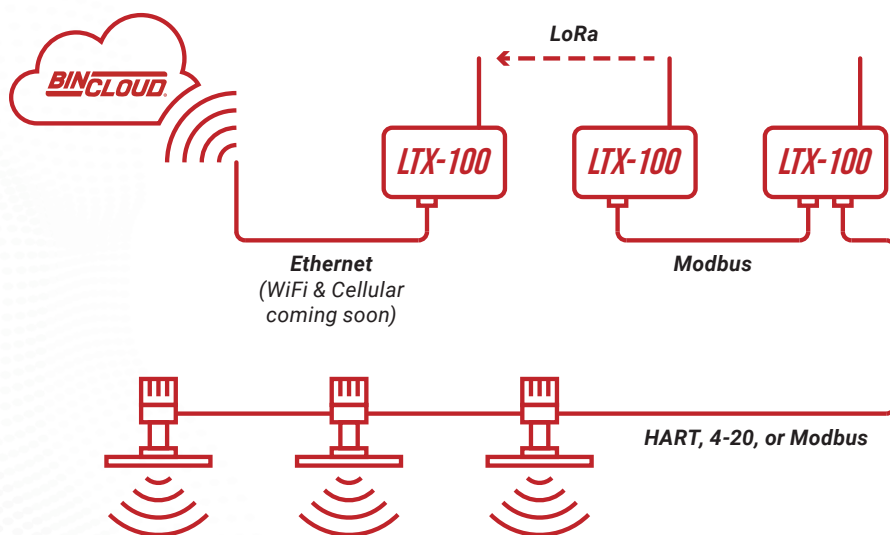
› **Expandable Options:** Use modular input cards for additional functionality

- 4–20 mA card
- HART communication card (replaces prior HCM HART Consolidator Module)
- Modbus expansion card (under development)
- Relay control card (under development)
- BinTrac® weighing system protocol (under development)

Powerful, Flexible Communication

Whether wired or wireless, the LTX-100 keeps your network connected.

- › Communicates via **Ethernet, Modbus, LoRa, or Cellular signal**
- › LoRa communication up to **1 mile line-of-sight**
- › Sends data directly to **BinCloud**, another **LTX-100**, or a **PLC**
- › Optional **cellular modem** available
- › **Nested addressing** allows for configuring layered systems with multiple LTX-100s



High Capacity. Low Complexity.

Simplify installation and power management with the LTX-100's efficient design.

- › Operates on **12-30 VDC power**
- › **Each HART expansion card supports up to 15 HART sensors, depending on power supply**
- › **Each LTX-100 can support 2 expansion cards, for a total of 30 sensors**
- › Easily expand your network with additional LTX-100s

Built for Every Industry

The LTX-100 is suitable for any operation that needs to collect and transmit sensor data efficiently and affordably. From agriculture, cement, and aggregates to plastics processing, food and beverage manufacturing, water treatment, and liquid level management, this versatile gateway delivers reliable connectivity anywhere.



Easy Setup and Configuration

Set up and manage your LTX-100 quickly and confidently.

- › Configuration changes are made over RS-485 with Modbus protocol or over Ethernet
- › Modular input cards make it easy to adapt to new sensors or applications
- › Simplified interface for seamless integration into existing systems

One Device. Many Uses.

The LTX-100 can replace multiple communication devices in your system:

- › HART consolidator modules
- › Wireless transceivers
- › Long-range communication devices
- › Gateway controllers
- › AEH analog expansion hubs (with up to 8 4-20 mA inputs)

Key Advantages

- › Supports multiple communications protocols and methods simultaneously
- › Local or online reading and scheduling control
- › Reduces system cost and complexity
- › Expands easily as your network grows
- › Transmits long distances via LoRa
- › Connects directly to BinCloud software for remote monitoring





BINMASTER[®]

Interested in the LTX-100 Gateway?

Call or visit today for a free consultation and quote!

BinMaster.com | 1-800-278-4241 | Info@BinMaster.com

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