



PRODUCT BRIEF

Data Flow Edge Device DX100

The DX100 Data Flow Edge Device is engineered to connect seamlessly with existing factory assets, collect rich contextual data, visualize insights clearly, and share securely across platforms, all with minimal operator effort. Featuring a single license with perpetual access, dual high-speed Ethernet ports, and support for global industrial protocols like ModBus, EtherNet/IP®, and Serial, the DX100 simplifies integration. Its intuitive low-code programming environment empowers users with drag-and-drop logic, off-the-shelf collectors, and compatibility with Python and C/C++. The DX100 also supports visualization tools like Grafana, enabling teams to react to process signals, not production noise, with clarity and speed.

Applications:

- Validate sensor performance and prevent scrap due to undetected failures
- Capture changeover events to improve first-pass yield and reduce downtime
- Monitor vibration and heat signals to support predictive maintenance strategies
- Document assembly conditions to isolate defects and minimize recalls

Key Features:

- Quick Connection to Existing Assets
 - ModBus TCP, EtherNet/IP
 - Dual 100 MB/s Ethernet ports
 - 4.0 GB RAM for robust data handling
- Low-Code Programming Environment
 - OMRON Synapse™ with SpeedBee Flowchart logic
 - Python and C/C++ compatibility
 - Off-the-shelf collectors and status timelines
- Open Protocol & Database Support
 - OPC UA Client, SQL, MQTT
 - Third-party software compatibility