EDGECROSS **CORRESPONDENCE**

CIMX INITIATIVE INC.

IEEE1888 Edgecross IT gateway

CIMX INITIATIVE

Product Features

•Support for IEEE 1888

An IT gateway that transmits data acquired from a data collector to a cloud system using the IEEE 1888 communication protocol, a communication standard used in smart buildings and other applications. This software makes it possible to easily expand the scope of application of Edgecross to areas outside the factory, such as energy management in buildings.

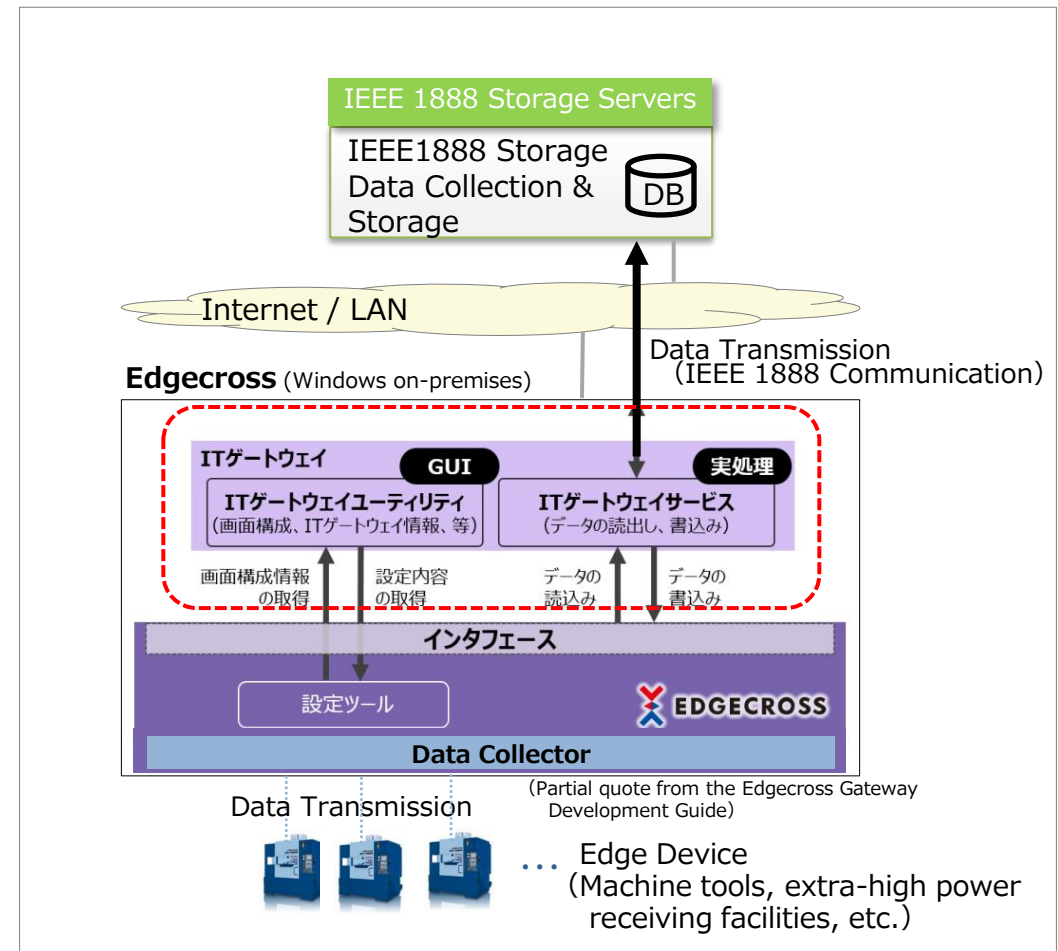### •Support for real-time data linkage between the edge and the cloud

The data acquired from the data collector can be immediately sent to the cloud, enabling real-time data coordination between the edge and the cloud. The system also includes a function for retransmitting data in case of communication failure.

•Implement two communication modes

Two communication modes are implemented: "General-purpose mode" for transmitting data acquired from the data collector to IEEE 1888-compliant cloud systems as is, and "Pulse mode" for converting the data into electric power when transmitting to the cloud system and making it easier for the cloud to process the power data.

Conceptual Diagram

(Partial quote from the Edgecross Gateway Development Guide)

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IEEE1888 Edgecross IT gateway

Product Overview	An IT gateway that supports the IEEE1888 communication protocol and can send edge device data to an IEEE1888 storage server such as a cloud.
Solutions	Traceability / Remote Monitoring / Uptime Improvement / Product Quality Control / Preventive Maintenance / Predictive Maintenance / Energy Saving / Safety / Cloud Services / Data Analysis
Industry	Foodstuffs／Beverages／Tobacco／Pharmaceuticals / Cosmetics ／Automobiles／Other Transportation Equipment／ Semiconductors & Devices／Electronic Components／Tires & Rubber／Precision Machinery／Other Manufacturing／General Machinery Production／Equipment／Equipment／Infrastructure & Energy／IT-related SI／FA-related SI／Others
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