

# Advanced Edge Data Processing for Industrial Sectors

## IOTech Edge Connect™ software + Advantech Hardware Speeds Adoption of IIoT Technologies for Factory & Process Manufacturing

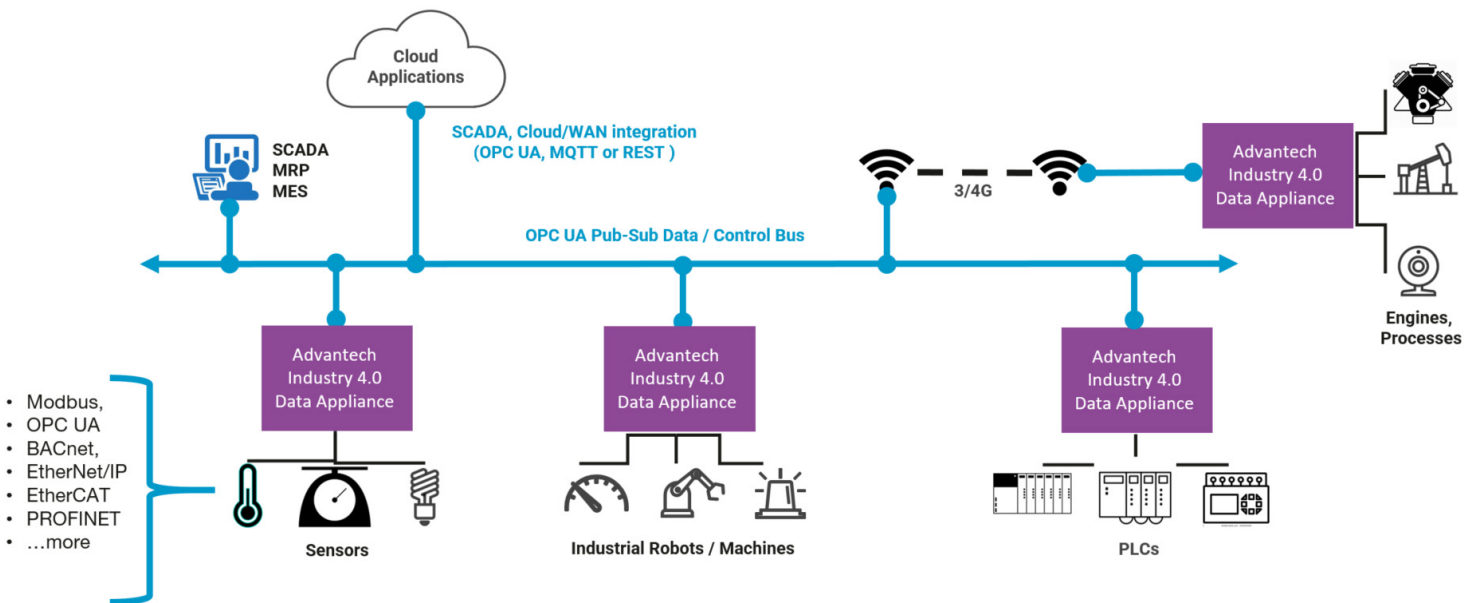
Factory and process manufacturers are embracing industrial Internet of Things (IIoT) and edge compute solutions to help access and optimize data between operational equipment and control systems. These systems need to reliably aggregate data from many sources, but managing numerous endpoints, such as industrial sensors, machinery, PLCs (to name a few) can be challenging.

Ideal for systems integrators (SIs) and original equipment manufacturers (OEMs), IOTech and Advantech developed

a new range of integrated edge hardware + software solutions to address these data challenges.

Incorporating **IOTech Edge Connect™ plug-and-play edge software** and **Advantech IoT edge gateways and high-performance IPCs**, the edge bundle provides base infrastructure for autonomous decision-making and real-time asset/process monitoring, and creates unified networks and systems through vertical and horizontal integration.

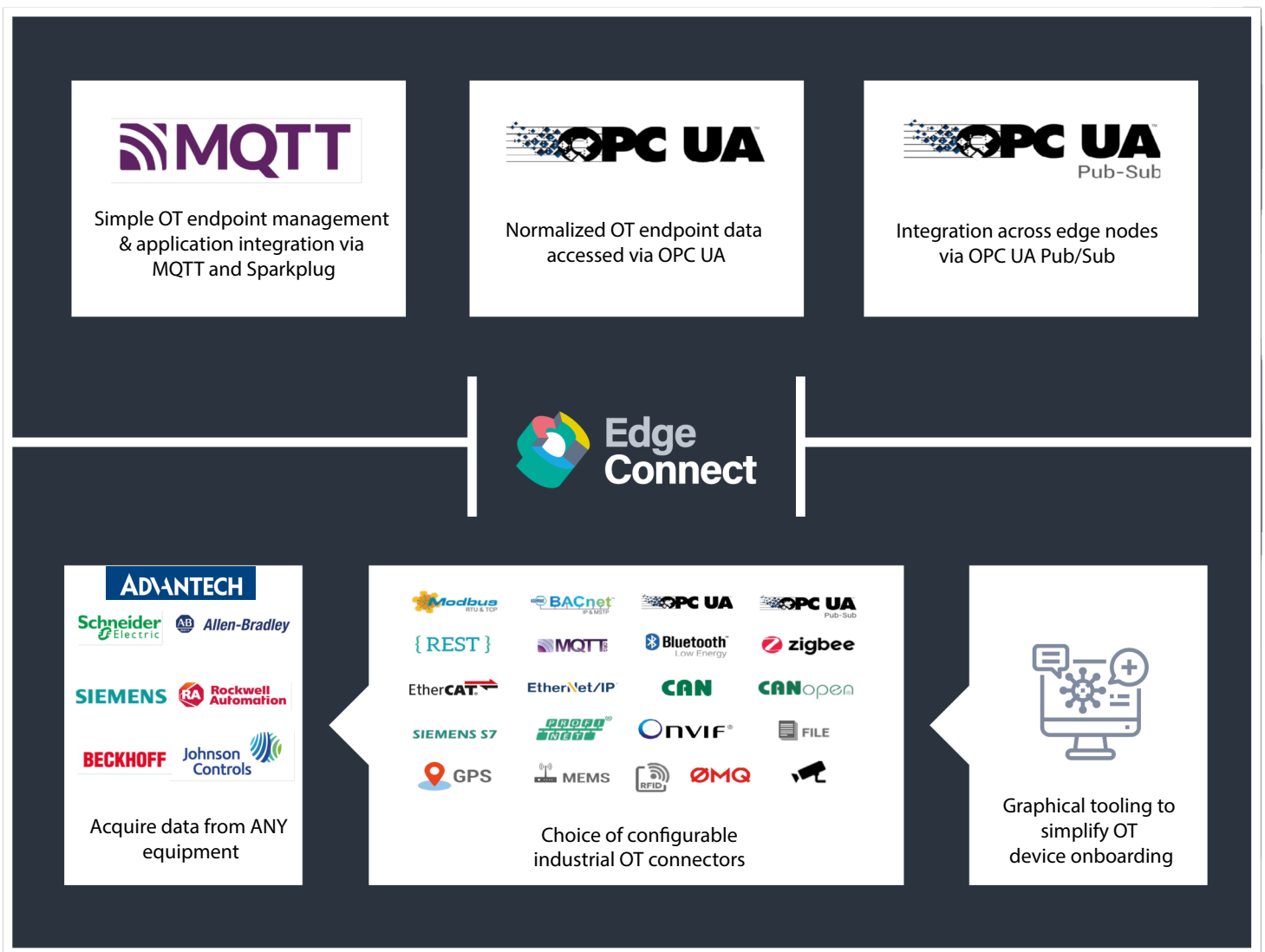
### Data Connectivity & Edge Processing Solutions



The combined IOTech + Advantech solutions address the following commercial and technical challenges:

- **Cuts down technology complexities**, which may require costly integration
- **Leverages latest advances in edge computing** and Industry 4.0 standards
- **Alleviates system siloes** that are difficult to maintain and costly to evolve
- **Acquires data from copious data points** in real-time with low latency
- **Aggregates plant data from multiple sources**, offering application visualization of data
- **Supports both Greenfield and Brownfield** sites and equipment
- **Helps integrate SCADA/Cloud/IT systems** for remote management and access, with reliable security

The IOTech Edge Connect software solution enables users to create data-driven industrial applications, add rule based event detection/reaction, integrate data dashboards, and leverage advances in artificial intelligence (AI), analytics, and inferencing technologies.



In combination with Advantech industrially-designed hardware, IOTech Edge Connect provides comprehensive, multi-protocol OT connectivity for numerous industrial standards. With simplified “no code” connectivity and device onboarding, the solution is also user-friendly, offering tools and device discovery features.

## Edge Hardware Solutions for Versatile Functionality

### UNO-2271G-V2 Intel-based Edge Gateway



- Intel® Celeron® Dual core N6210/ Pentium® Quad core N6415 processor
- Microsoft Azure Edge & AWS IoT Greengrass certified
- Secure orchestration between cloud and edge devices
- Supports Win10, Ubuntu Classic, & Ubuntu Core 20

### MIC-770 V2 Intel-based Embedded IPC



- Intel® 10th Gen Xeon®/Core™ i CPU socket-type (LGA1200) with Intel® W480E/H420E chipset
- Compact, modular and fanless design
- Supports Microsoft Azure PnP, AWS IoT Greengrass, Ubuntu 20.04 LTS

### ECU-150 High-Performance IoT Gateway



- NXP i.MX8M Quad Core Cortex A53 1.3G CPU
- DDR4 2GB RAM, 16GB eMMC for system storage
- Supports Modbus, IEC-60870-5, DNP3.0, OPC-UA, BACNet protocol

Initial use cases include applications in: Discrete and Process Manufacturing, Oil and Gas, Energy and Utilities, Water, Building Automation, Smart Cities, Transportation, Maritime, Retail, and more.

## Learn More

The edge appliances are available for purchase from Advantech as well as through select distributors, such as TD SYNEX (solutionsaggregation@tdsynnex.com). The scalable solution is available in a variety of form factors and price points to suit specific needs, including cost-effective options for real-time industrial data acquisition and aggregation.

To learn more, visit the IOTech website at <https://www.iotechsys.com/>.

**ADVANTECH**

*Enabling an Intelligent Planet*

#### Contact Advantech

Email us at: [buy@advantech.com](mailto:buy@advantech.com)

Call 1-888-576-9668

OR contact your sales representative



Scan the QR code to visit IOTech online