The Lenovo IOT520 Gateway sits at the intersection of IoT data collection and analysis. With smart communications capabilities in a small, embeddable form factor, the IOT520 serves as a critical component in your Smart Edge ecosystem.

The IOT520 Gateway interconnects the components of your industrial IoT (IIoT) infrastructure and translates legacy industrial equipment and sensor protocols for transport across standard communications networks to an edge computer, the cloud, or a private data center. In addition, the gateway provides data filtering, connection security, software updates, and data management.

SMART MANUFACTURING

VERSATILE FEATURES FOR SMART MANUFACTURING AND OTHER INDUSTRIAL ENVIRONMENTS

The IOT520 Gateway is designed for high-performance IoT applications in smart manufacturing environments. It can also be used for smart retail warehousing and vending and for smart building and smart city applications.

MULTIPLE CONNECTIVITY OPTIONS.
The gateway comes with two Gigabit Ethernet ports, two COM ports, two USB 3.0 ports, two USB 2.0 ports, and a USIM slot for 3G/4G communications. It can translate proprietary process control protocols for transmission over Gigabit Ethernet LANs and 4G LTE wireless WANs to the powerful Lenovo EPC300 Edge Computer, the cloud, or a private data center for processing and analysis.

TWO-WAY SECURITY.
The IOT520 comes with built-in Trusted Platform Module (TPM) chip security to reduce the risk of compromising sensitive data, whether it’s coming in to your network from sensors or being passed to the cloud or an edge computer for processing.

SMART RETAIL

SMART BUILDINGS AND CITIES
INTEGRATE LENOVO SMART EDGE PRODUCTS TO SAVE MONEY AND WORK SMARTER

The Lenovo IOT520 Gateway is designed to integrate with your IoT ecosystem for outstanding performance in intelligent transportation, facilities management, industrial automation, and Internet of Things (IoT) applications. Combine the gateway with high-res cameras, for example, to capture critical images and video that enhance your industrial IoT applications.

As a lower-cost alternative to the powerful Lenovo Smart Edge EPC300, the IOT520 Gateway can also be used in locations requiring light local processing. You can manage your IoT hardware expenses by deploying multiple distributed IOT520 Gateways, which then filter and forward IoT data to the more powerful, local EPC300 Edge Computer for aggregate processing.

The network edge is where real-time data gathered by IoT sensors and devices must be converted into actionable insights immediately, without the network delay incurred by first sending data across a WAN to the cloud or data center. Our Smart Edge products help you harness the power of IoT data and insights at the edge, while keeping costs low.

IOT520 HIGHLIGHTS

- Ultra-compact, embeddable gateway for industrial IoT applications
- Data acquisition and data relay to cloud or edge computers for processing
- Easy to install and simple to manage
- Fanless design
- Optimum input/output design for maximum connectivity
- High performance with Intel® Atom® processors

WHY LENOVO AT THE EDGE?

Our fully integrated, manageable edge devices deliver higher performance and better pricing than the competition. You can easily and affordably scale our solution as your IoT environment expands and your business grows. You can always count on Lenovo’s best-in-class engineering, quality, and service. We never compromise on reliability, durability, or security. We’ve got you covered, with global sales, service, and support and a fully transparent supply chain.

To learn more about the Lenovo Smart Edge Portfolio, visit WWW.LENOVO.COM/SMARTEDGE.