

## Product Overview

### DT9000 M2M Gateway

The DT9000 Machine-to-Machine Gateway connects your industrial equipment to cloud infrastructure allowing you or your customer to remotely monitor, gather data from, update, and control your equipment. Whether down the street or across the globe your customers will have the security of knowing your equipment can be supported and maintained through a powerful and secure cloud infrastructure.

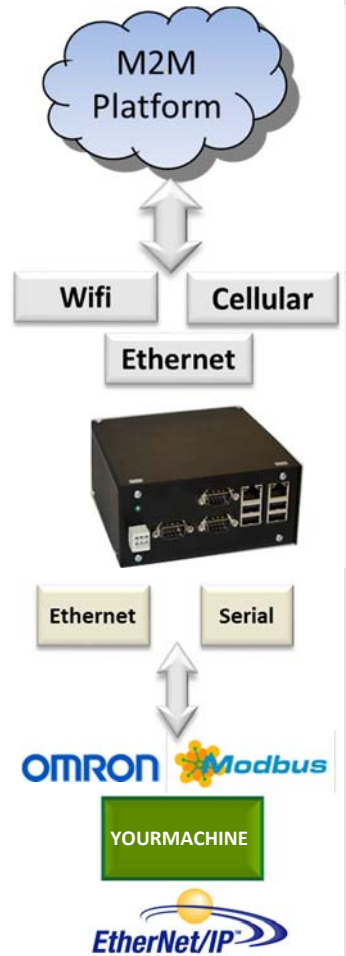
Key data can be gathered and analyzed through the powerful Axeda and ThingWorx cloud platforms. Business and process analytics give your customers the ability to analyze and then better manage their production and business operations. Increased business analytics provide your users with a better bottom line and your equipment provides greater value.



Powerful logic schemas can be built into the DT9000 to allow for intelligent data driven decisions. Reporting, data alarming and email alerts further enhance the value your equipment provides to your customers.

The DT9000 M2M gateway supports both Windows Embedded and Linux operating systems. User programming and additional customization for your specific application is possible. Dual wired 10/100 and 1GB Ethernet ports along with WiFi and Cellular connectivity provide several options for physical connections.

Diamond Technologies has developed a range of industrial protocol drivers including Ethernet IP, Modbus TCP/IP, Modbus RTU, Mitsubishi Melsec, and Omron FINS that can easily connect a range of PLCs and industrial controllers to Axeda, ThingWorx, or your own cloud platform.



## Applications

The DT9000 M2M Gateway is perfectly suited to enable various services for Industrial Equipment including Predictive Maintenance, Usage Based Billing, Remote Programming, Compliance Management, Warranty Management, Consumables Management, and Machine Updates. The DT9000's compact size lends itself to packaging machines, backup power systems, power generation equipment, water and waste water filtration systems, and many others.

## Company Information



**Diamond Technologies** provides solutions to your Business's Remote Management, Automation, Data Collection, and Industrial Networking challenges. Our products include IoT gateways, embedded network communication gateways, wireless near field communication adapters, and Industrial Protocol Masters. With nearly 20 years of Industrial Communications and Industry experience we are a knowledgeable partner who can assist you with your IoT and M2M initiatives. Our customer base includes companies in many diverse industries and applications.

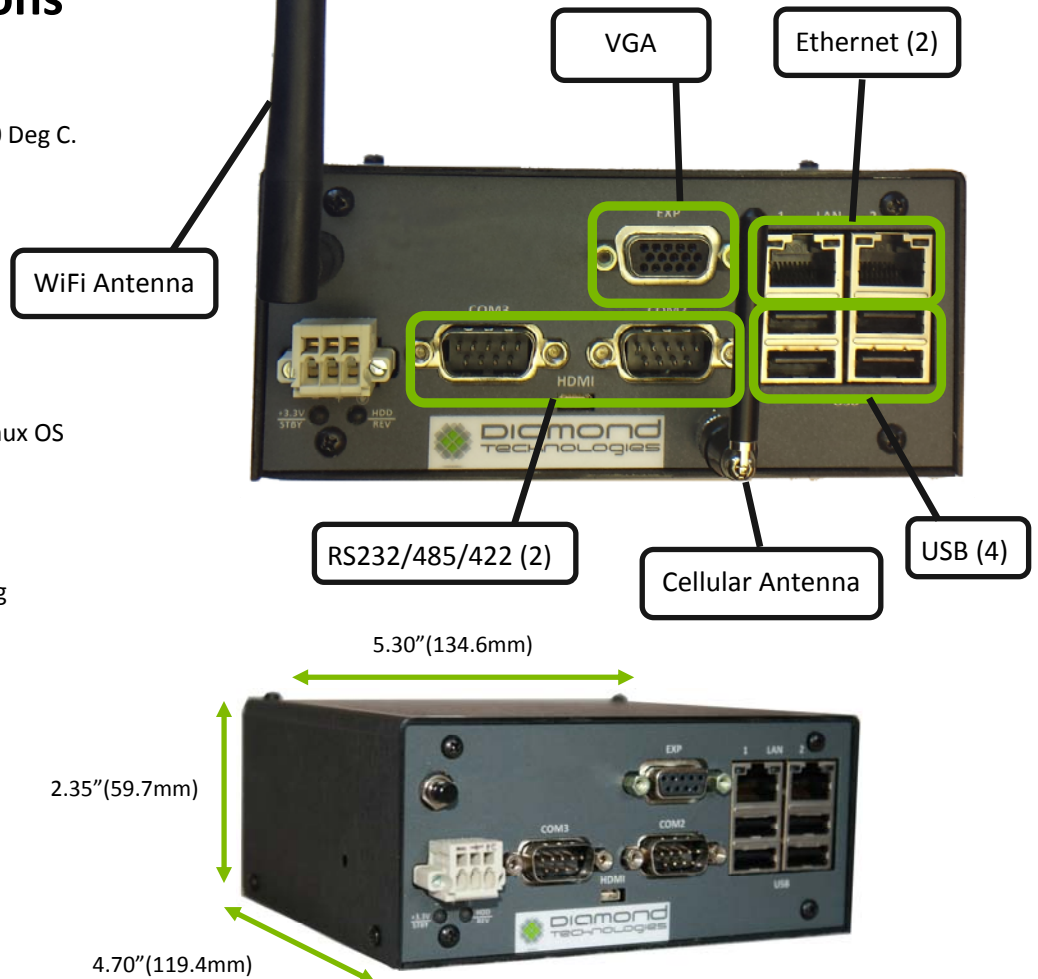
We pride ourselves on our industry knowledge and bringing innovative ideas to our customer base.

## Technical Specifications

### Product:

- Operating Temperature: 0 Deg C to 50 Deg C.
- Input Voltage:  
9 – 40 VDC  
Current: 750 mA @24VDC
- Intel Atom N2600, 1.6 GHz
- 2 GB SDRAM
- 4 GB solid state drive
- Windows Embedded Standard 7 or Linux OS
- Dual Ethernet Ports  
1 x 10/100  
1 x Gigabit  
Supports independent networking
- Serial Connections 2x RS232/422/485
- 4 USB
- 1 x VGA connection (internal)
- 5.30" x 4.70" x 2.35"  
134.6mm x 119.4mm x 59.7mm
- Industrial Metal housing
- Din Rail Mounting
- RoHS compliant
- cULus, CE pending
- Support for:

**Axeda ThingWorx**



### Options:

No Enclosure (board level)  
Up to 128 GB solid state drive  
Embedded Webserver Functionality  
Cellular Communications  
WiFi  
External VGA

Bluetooth  
**Industrial Protocol Drivers:**  
Ethernet IP, Modbus TCP/IP,  
Omron FINS, Mitsubishi Melsec,  
Modbus RTU, Others on demand

### Specialized Engineering Services



**Diamond Technologies** has the flexibility to modify our core products or technologies to meet your specific product or project requirements. Whether you have mechanical constraints, need modifications to communication protocols, or require added or modified I/O capabilities, **Diamond Technologies** can work with your engineering team to accomplish your goals. For nearly 20 years Diamond has provided Specialized Engineering to ensure the final solution achieves our customers' requirements.

We have expertise in electronics hardware design, firmware development, industrial network communication protocols, and PC and mobile application development. Our software group has significant experience in .NET, C/C++/VB, and we have worked with most major industrial wired and wireless networks.

[www.DiamondT.com](http://www.DiamondT.com)

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