Getting data where it needs to be.

Product Overview

DT9000 Series, Industrial Protocol Master System

The DT9000 Master is a true industrial networking master controller, specifically designed to assist OEMs test their industrial networking slave devices. From initial engineering software/hardware development, through prototyping and into production, the DTM9000 validates that your integrated protocols are communicating according to your specifications.

With a single common user interface, the DT9000 makes it easy to test multiple protocols without developing a different master system for each protocol. This, along with engineering services from Diamond Technologies, allows you to create a simple multiprotocol master test system supporting a host of industrial protocols including: EtherCAT, EtherNet/IP, PROFINET, Sercos, Modbus TCP, CANopen, Profibus and DeviceNet. Designed to be used in conjunction with any laptop, or as a standalone system, providing maximum flexibility to support a variety of use case scenarios such as engineering, production, QA, field service and tradeshow demonstrations.

With a Windows 7 operating system, the DT9000 provides a flexible environment for developing automated test systems, demonstration capabilities and production test equipment, ensuring your industrial networking communications are functioning properly. The DT9000's small footprint provides the ability to develop portable, field deployable industrial protocol master test tools for installation and field service teams.

Key Features:

Multiple protocols, single interface	Small, industrial, embeddable, portable
Windows OS	Customization services available

Applications

The DT9000 Industrial Protocol Master System is perfectly suited for Industrial networking test applications, such as engineering test capabilities for industrial protocol slave devices, production testing of industrial networking for OEM products, QA testing, field service and support for protocol troubleshooting in the field. The DTM9000 can be used as a stand alone PC, or can connect to any laptop, providing flexibility and portability, ideal for use with field service personnel or for product demonstration and trade shows.

Company Information

Diamond Technologies provides solutions to your Business's Automation, Data Collection, Industrial Networking, and Remote Management challenges. Our customer base includes companies in many diverse industries and applications including semiconductor processing, warehouse and distribution, electrical power equipment manufacturers, discrete parts manufacturing, packaging systems, medical and biomedical equipment manufacturers, pharmaceutical applications, weigh scale manufacturers, electrical power suppliers, automatically guided vehicles and robotics, industrial manufacturers of consumer products, and government.

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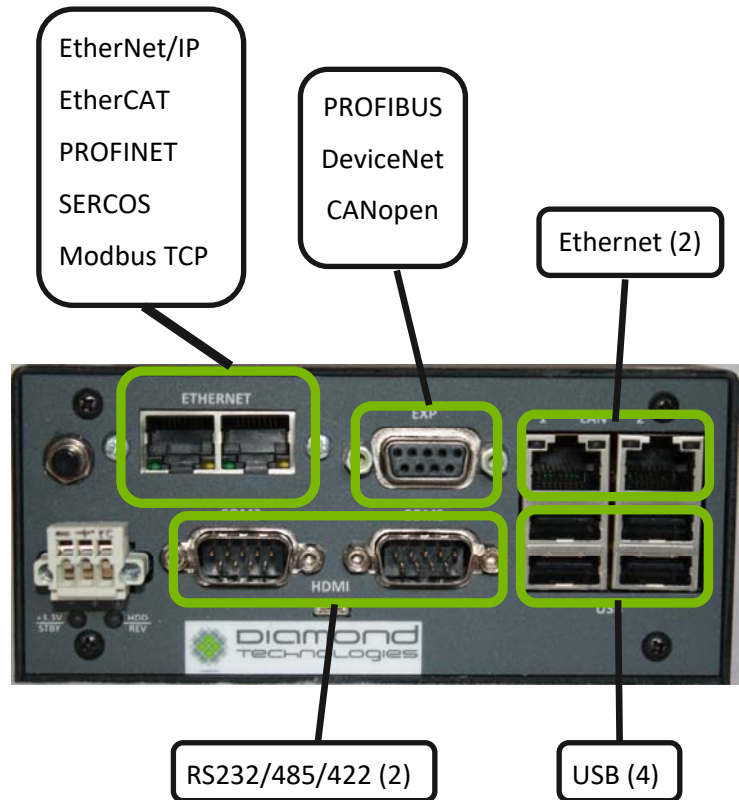
Technical Specifications

EtherNet/IP

EtherCAT

PROFINET

SERCOS

Modbus TCP

PROFIBUS

DeviceNet

CANopen

Ethernet (2)

RS232/485/422 (2)

USB (4)

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
- 64 GB solid State Drive
- Windows Embedded Standard 7
- Dual Ethernet Ports
  - 1 x 10/100
  - 1 x Gigabit
  - Supports independent networking
- Embedded Web Server Functionality
- Serial Connections
  - 2x RS232/422/485
- 4 USB
- 1 x VGA connection (internal)
- 5.3" x 4.75" x 2.3"
  - 134mm x 121mm x 58mm
- RoHS compliant
- cULus, CE pending

Ordering information:

DT9000-M37-ENT — EtherCAT, EtherNet/IP, PROFINET, Sercos, Modbus TCP
DT9000-M37-ENTDP — EtherCAT, EtherNet/IP, PROFINET, Sercos, Modbus TCP, PROFIBUS
DT9000-M37-ENTDN— EtherCAT, EtherNet/IP, PROFINET, Sercos, Modbus TCP, DeviceNet
DT9000-M37-ENTCO — EtherCAT, EtherNet/IP, PROFINET, Sercos, Modbus TCP, CANopen

EtherCAT.

PROFI NET®

sercos
the automation bus

PROFI BUS®

EtherNet/IP™

Modbus

CANopen®

DeviceNet™

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.