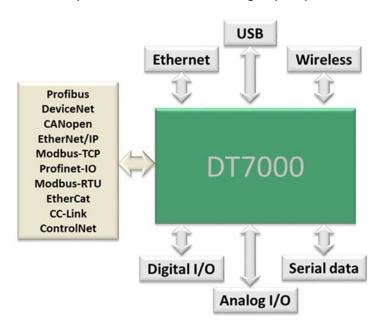


DT7000 Series – Embedded Industrial Network I/O Gateways

A simple way to add industrial networking to your product

Now there is a simple and easy way to get your serial devices to talk with any of the leading industrial networks like Profibus, Ethernet/IP or DeviceNet. Our DT7000 Series gateways have the flexibility and simplicity to support a variety of applications in any industry. Diamond Technologies has the experience and knowledge to quickly, and cost effectively, make your product part of your customer's network, no matter what the communication requirements might be. Whether your product only supports serial or proprietary communications, or currently has no network connectivity, the DT7000 gateway can be the bridge your customers require. In addition to supporting multiple serial communication channels, the DT7000 also provides the ability to incorporate digital and analog I/O onto the network. With the added flexibility of C programming, the DT7000 is the fastest way to add industrial networking to your product.



DT7000 Embedded



DT7000 with Enclosure



The DT7000 series has a modular design that allows you to support the leading industrial networks with a minimal amount of effort, providing you the flexibility to meet your market requirements, without requiring you to become the networking expert. To find out how, just give us a call to discuss your requirements and we will provide a recommended solution that meets your specific application, simply and easily.



Technical Specifications - embedded:

- **Operating Temperature**
 - 0 Deg C to 70 Deg C.
- **Input Voltage**
 - o 9 40 VDC (24 VDC Nominal).
- **Input Current**
 - 300 mA max, (100 mA typ. (@24VDC)
- **RoHS** compliant
- **4 Serial Channels**
 - RS485 (Isolated opt), RS232
 - **Modbus RTU Master or Slave**
 - Baud Rate: 9600 to 384k Configurable
- **8 Digital Outputs**
 - o Sourcing or Sinking
 - 1.5 Amp max.
 - Overvoltage, overtemp protection
 - o Voltage: 5 to 40 VDC
- **8 Digital Inputs**
 - **Sourcing or Sinking**
 - Voltage: 5 to 40 VDC
- **4 Analog Outputs**
 - 10 bit, 0-10 Volt or 0 to 20mA
 - **Optional signal conditioning**
 - 0 Resolution: 10 bit.
 - Accuracy: +/- 3 LSB
- **8 Analog Inputs**
 - o 10 bit, 0-10 Volt, or 0 to 20mA
 - **Optional signal conditioning**
 - Resolution: 10 bit. 0
 - Accuracy: +/- 3 LSB 0
- **Programmable**
 - **USB** connection
 - **C** programming

Networks Supported

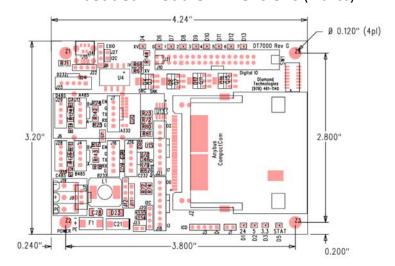
0	Profibus	Profinet	BACnet IP
0	Ethernet/IP	CANopen	DeviceNet
0	Modbus-TCP	Modbus-RTU	Bluetooth

EtherCat CC-Link

BACnet MSTP ControlNet 0

- **USB Channel**
 - Diagnostic/Configuration
 - **USB Version 2.0** 0
- **Options**
 - Ethernet 0
 - Wireless BlueTooth, Wifi 0
 - **Enclosures**
 - **DIN Rail Mounting**
 - Expanded I/O

Embedded Module Dimensions (inches)



Ordering Information:

DT7000	<u>A</u>	<u>B</u>	_	<u>C</u>	_	D	_	<u>E</u>
	Serial / Ethernet	Digital I/O (8 in, 8 out)		Networks		Analog I/O		Options
	A - 4 Serial Channels (RS232 or RS485)	0 - Sinking Inputs and Outputs		TCP - Modbus TCP		(8 in, 4 out)		blank – None
	B - 4 Serial Channels (RS232 only)	1 - Sourcing Inputs and Outputs		RTU – Modbus RTU		A - 0-10 VDC		001 – Terminal Blocks (Up to 96 I/Os)
	C - 4 Serial Channels (RS232 or Isolated RS485)	x - Custom configuration		PNT - Profinet		B - 0-5 VDC		EM - Enclosure, metal
	D - 2 Serial Channels (RS232 only)			PB - Profibus		C - 0-20 mA		EMD - Enclosure, metal, DIN rail mtg
	E - Ethernet plus 3 Serial Channels (1-RS232, 2-RS232/485)			EIP - EtherNet IP				BT - Wireless, Bluetooth
	Q - Custom, please contact the factory			ECT – EtherCat				WF - Wireless, Wifi
			DN - DeviceNet				9xx - Custom	
Example: DT7000A1-PB-A			COP - CANOpen			_		
DT7000 with 4 serial channels, 16 sourcing inputs/outputs,				CNT - ControlNet				
Profibus support with 12 analog inputs/outputs (0-10VDC)			CCL - CC-Link					
				blank – None				





