

Data Controller for Maintenance Watchdog™ Wireless System Model 7044000-1



Features

- Vibration data collection, FFT processing, analyses, alarming and storage
- WEB Interface
- USB connectivity with up to four 7043000-1 USB Wireless Access Points
- TCP/IP connectivity with other Data Controllers and Personnel Workstations
- Intel Atom 1.1GHz Processor
- 80Gb Data Storage (Master)
- 4GB Micro Drive (Client)
- 10/100/1000 Mbps Ethernet Ports
- 512Mb RAM
- External Power Supply 100-240V (not shown)



Description

The 7044000-1 Data Controller collects, processes, and stores vibration data information from Techkor wireless sensors. Data Controller does not require any installations on client computers for startup. Operators can monitor wireless sensor data, be informed of alarm conditions, and configure parameters all from the convenience of standard PCs using Microsoft Internet Explorer. As an Ethernet node the unit features typical 10/100/1000Mbps base-T Ethernet, TCP/IP, FTP, HTTP, SSH and Telnet accessibility. 7044000-1 hosts Vibration Monitoring MYSQL5 database, HTTP, FTP, SSH, NTP and basics network servers.

For easy configuration, the 7044000-1 is remotely accessible over computer network or directly. Over the network, configuration is available through easy to use WEB interface. Operators may also configure or monitor the unit locally by connecting a standard VGA monitor and keyboard, or through SSH/Telnet connection.

In installations requiring more than one Data Controller one is configured as a master unit while the others are configured as a client controller. Client controllers send vibration to database located in master controller. Client controller does not require HDD.

Applications

- Condition Based Maintenance
- Sensor Monitoring
- Machine Diagnostics

Copyright 2000-2010. All Rights Reserved, Techkor Instrumentation, A Division of Advanced Conversion Technology, Inc.



2001 Fulling Mill Road, Middletown, PA 17057
Main Number: +1 717-939-2300 Fax: +1 717-939-7170
Web: <http://www.techkor.com>

**Data Controller for
Maintenance
Watchdog™
Wireless System
Model 7044000-1**



Performance – All Models: T_C=25° C unless otherwise specified.

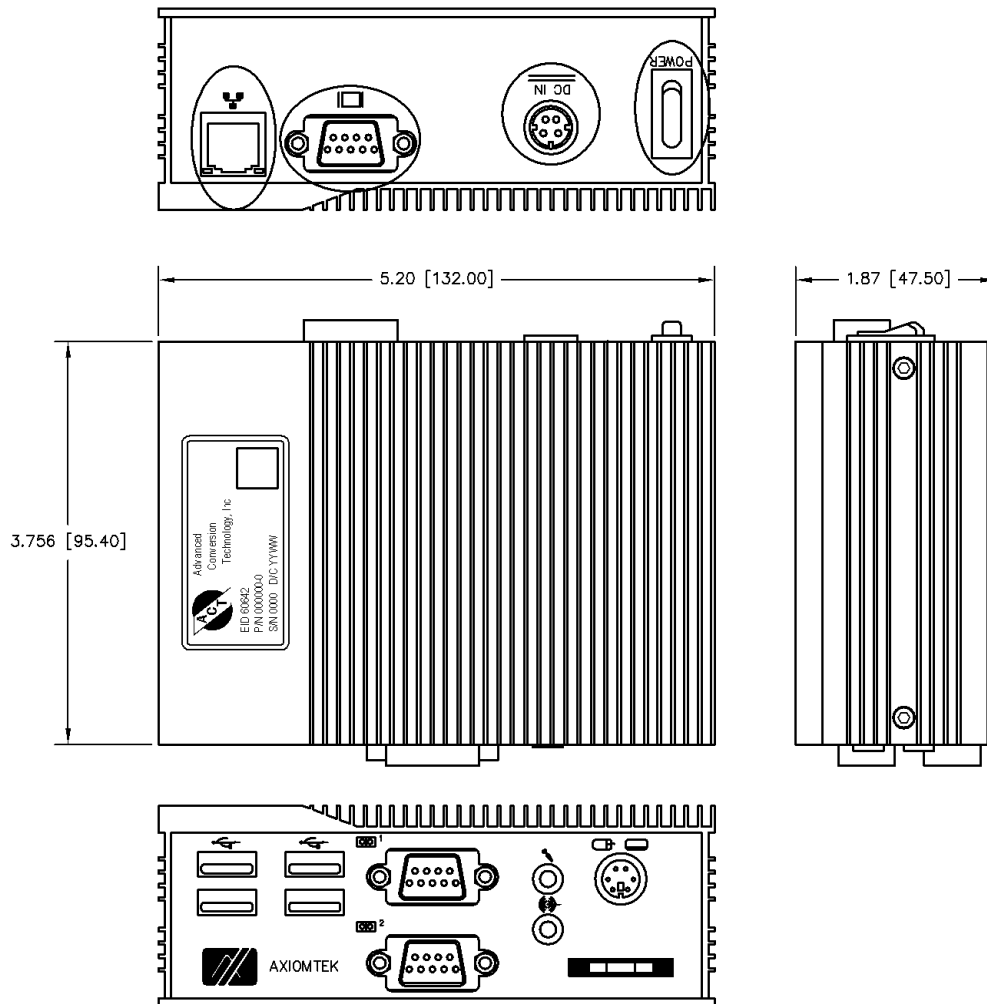
Parameter	Min.	Typ	Max	Units
CPU Clock Frequency	1.1	1.1	1.6	GHz
Real Time Clock Life		10		Years
Memory, DRAM	256	512	2048	Mbyte
Compact Flash/Micro Drive	2	4	8	Gbyte
SATA HDD	20	80	160	GByte
Ethernet Rate		1000		Mbit/s
Power Supply Power		20		W
Weight		0.5		kg
AC Input Voltage	100		240	VAC
AC Input Frequency	47		63	Hz
Operating Temperature	0		45	°C
Storage Temperature	-20		80	°C
Operating Humidity, non-condensing	10		90	%

Ordering Information:

Part Number: **7044000-1** Data Controller (1.6GHz/RAM1GB)



Data Controller for Maintenance Watchdog™ Wireless System Model 7044000-1



Rev A.5, Specifications subject to change without notice.

