



# Wavetronix DataCollector™ Specifications

The Wavetronix DataCollector is a hardware/software solution for collection and management of real-time data from ITS sensors. DataCollector integrates seamlessly into any TCP/IP network environment, so sensors can be remotely managed from any networked web-browser. DataCollector provides affordable system scalability to any ATMS environment.

## Hardware:

Rack-mounted server, Dual 2.8 GHz Pentium Xeon or equivalent processors, 533 MHz front side bus, 1 GB of 133 MHz SDRAM memory, Dual Ethernet adapters, Raid 5 disk array, Hot Swappable SCSI Drives, Redundant 275 Watt, 110 Volt Power source, *Operating Temperature: 10°-35° C (50°-95° F)*, FCC Class A

## Software:

Microsoft Windows 2000 server, Microsoft SQL Server 2000, Wavetronix DataCollector Command and Control

## DataCollector Service:

- Collects real-time data from traffic sensor networks
- Collects time interval data as frequently as 20 seconds from each sensor
- Stores up to one week of time interval data into database for immediate access
- Queries multiple sensor protocols
- Synchronizes sensor's clock with the DataCollector
- Allows DataCollector Web interface immediate access to a sensor
- Optional Backup facility for indefinite data storage

## DataCollector Monitor/Control Application:

- Start/Stop DataCollector service
- Start/Stop individual processes
- Changes settings for log files
- Changes configuration settings of the Data Collection Service
- DataCollector Web Interface
- Views current data from sensors
- Access sensors directly
- Allows for data retrieval
- Adds/Removes sensors from the system

## DataCollector Traffic Data Web Service

- Web service access to data stream
- Intuitive, easy to use interface
- Well documented API set

Full specifications available upon request.

## DataCollector is fully compatible with all Wavetronix products:

- Wavetronix SmartSensor™, true eight lane detection of vehicle volume, occupancy and speed from the ITS industry's only patented auto-configuring and auto-calibrating traffic sensor.
- SmartSensor Advance™, the industry's only auto-configuring radar device that manages dilemma zones and efficiently controls intersections.
- Wavetronix Click!™ products: Simple connectivity solutions for contact closure, power and surge protection, data conversion and wireless & Ethernet communications.

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