

Wavetronix DataTranslator™

The innovative-integration solution that
bridges the gaps between incompatible data
management systems



Advantages:

- Performs scheduled, triggered and on-demand data translations
- Translates databases, data types, file formats and data streams
- Connects legacy data collection & management systems to:
 - Emerging data standards
 - New reporting requirements
 - Other data management systems
- Web-based user interface allows remote management from any networked browser
- Flexible TCP/IP interface & control
- As-run translation job notification
- Intuitive, at-a-glance status of all translation jobs in the queue
- Enterprise quality, rack-mounted server with dual processors, RAID 5 disk array and redundant power & networking
- Fully-definable user & group access and privileges
- Extensible functionality via TaskBuilder™ translation developer's kit

Wavetronix's innovative Command DataTranslator™ bridges the gap between incompatible data management systems, integrating previously unconnectable data subsystems into a single manageable environment. With DataTranslator, expanding that closed-ended legacy traffic management system with new functionality can be achieved quickly and without costly custom development.

DataTranslator is part of the growing Command line of Wavetronix traffic data management appliances, and it delivers a much-needed function for the ITS industry: performing real-time data translations between databases, data types, file formats and data streams. DataTranslator builds upon the successful strategy of the Command data appliance line: employing flexible and intuitive software tools, accessible from any networked web-browser, managed via enterprise-quality name-brand server hardware. DataTranslator integrates into virtually any TCP/IP network and provides ready functionality into any client environment.

DataTranslator's TaskBuilder translation developer's kit makes defining complex translation tasks a quick and simple process. TaskBuilder's intuitive drag-and-drop graphical user interface (GUI) provides a dynamic visual map of each multi-step data translation process. Individual data components and linked

data conversion actions are easily managed using the TaskBuilder tool. Each translation task can be built and rehearsed in advance, taking all guess-work out of the finished translation output.

Completed TaskBuilder translation tasks are managed through the DataTranslator's scheduling GUI, allowing for the creation of scheduled or triggered data translation jobs. Translation jobs can run as required, with user-selectable frequency. Real-time traffic data can be retrieved, translated and delivered every 20 seconds; or weekly peak traffic data can be parsed, converted and e-mailed every Friday at 8PM. With the ability to conduct multiple, real-time translation jobs simultaneously, DataTranslator provides at-a-glance status of the complete translation schedule, as well as a comprehensive notification system providing e-mail or pager alerts of critical translation job status.

Most importantly, Command data appliances from Wavetronix are supported as products, not projects. Like all Command data appliances, DataTranslator integrates enterprise quality hardware & software with industry-specific applications from Wavetronix into a scalable, reliable shrink-wrapped solution.

CMD
DATA APPLIANCES

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Wavetronix DataTranslator™ Specifications

Hardware:

Rack-mounted server, Dual Intel Xeon™ or equivalent processors, 800 MHz front side bus, 2 GB of 133 MHz SDRam memory, Dual Ethernet network adaptors, Raid 5 disk array, Hot-swappable SCSI Drives, Redundant hot-swappable 700 Watt, 110 Volt power supplies, Operating Temperature: 10°-35° C (50°-95° F), FCC Class A

Software:

Microsoft Windows Server 2000 Edition (or equivalent), Wavetronix Command and Control

DataTranslator Service:

- Multiple, simultaneous data translations:
 - Database to Database
 - File Format Types
 - ◊ HTML
 - ◊ XML
 - ◊ PDF
 - ◊ Etc.
 - Data Streams
- Connects “legacy” data collection & management systems to:
 - Emerging ITS data standards
 - New reporting requirements
 - Other data management systems
 - ◊ Un-connectable traffic data subsystems
 - ◊ TCM Center to Center

TaskBuilder™ Translation Developer's Kit:

- Defining translation “Tasks”, from source to (multi)destination
- Intuitive drag-and-drop graphical user interface
- Translation tasks can be built and rehearsed in advance
- Offline translation Task management

DataTranslator Web Service / Control Application:

- Assigning translation Tasks to a schedule, or trigger (Creating “Jobs”)
- As-Run Notification to E-Mail, Pager, etc.
- At-a-glance status of all Jobs in the queue, with Intuitive Color-Coded Status
 - Jobs Running / Stopped / Errors
 - Last run / Next run Translation Job Schedule
 - Detailed Translation Job History
- Comprehensive User / Group privilege access & control
- Accessable from any networked web browser

Full specifications available upon request.

DataTranslator 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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