

EC-1000 Data Sheet



The **EC-1000** is an industrial proven solid-state controller designed to support the Real Time control functionality of the **FAST™** Suite of control applications. It's designed for ultra-fast performance in high-speed real-time tracking and material handling control applications. Perfect for the needs of "islands of automation" its software is designed to serve as a platform for building flexible solutions at a PC or server level.

The **EC-1000** integrates seamlessly with **FAST™** 8 tracking applications. System configuration facilitates flexible assignment and reassignment of devices while quick-disconnect hardware terminations speed installation, repairs and replacements. Real time architecture supports conveyor speed of up to 600 feet per minute.

The EC-1000 Supports The Following Devices:

Conveyors	Scanners and Cameras	In-Motion Scales
Dimensioners	Label Printer Applicators	Light Curtains
Photo Eyes	Machine Vision Solutions	Diverts
Encoders	Indicator Lights	

Features & Benefits:

- Fully configurable components
- **EC-1000** is configurable via server allowing for greater flexibility to end-user
- Tracking ID is assigned at controller level mitigating risk of network latency
- Auto download of configurations simplifies setup and replacing equipment
- Controller upgrades can be pushed through **FAST™** applications
- Dual socket communication helps with isolation of critical and non-critical information and sufficient bandwidth for both providing more reliable and accurate performance
- Additional diagnostics in embedded controller allows for faster troubleshooting and remote problem resolution.

Distribution Automation Applications:

Sortation Control

- Shipping Sortation
- Bulk Order Picking
- Reverse Logistics

Parcel & Logistics

- Tray Routing
- Dimension, Weigh, & Scan (DWS)

Print & Apply

- Shipping/Manifesting
- Inbound Receiving
- Tote Routing
- Carton / Tote Traceability

Food & Beverage

- In-Motion Weigh and Label
- Sortation Without Bar Codes



Distribution Automation Applications:

Manufacturing, Electronics, and Automotive

- End of line packing and labeling
- Machine vision

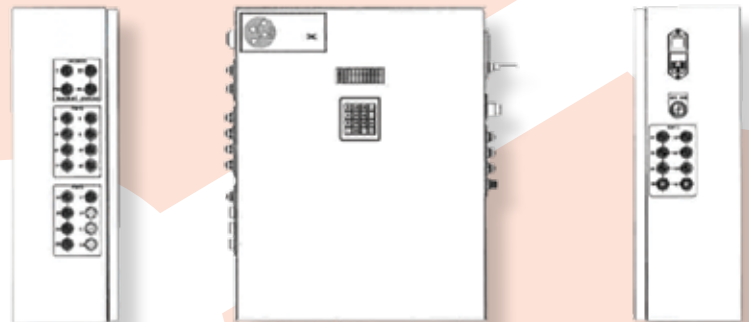
Technical Specifications:

Microprocessor	59MHz
Network Interface	TCP/IP, Modbus
Flash Memory	512KB
Data Storage	128MB to 1GB Mini SD Card
Digital I/O	32 Configurable I/O, 24 VDC @ 200Ma max 24 VDC STD/120 VAC OPT (8) High Current Outputs 2A Max Expandable I/O with 24 Inputs/16 Outputs (200Ma)
Encoder Inputs	2 STD, up to 6 max
Serial Ports	1 RS-485 2 RS-232 Half duplex or 1 RS-232 Full duplex or 1 RS-232 (with CTS/RTS)
Power	100 – 240 VAC, 4 A max
Temperature	Operating 0° to 40°C Storage -20°C to 70°C
Dimensions	20" x 15.75" x 7"
Weight	34 lbs.
Case Material	Painted Steel, Stainless Steel optional
Protection Class	IP40 STD, higher rating optional
User Interface	FAST™ Application Software and Keypad/Display
Integrated Keypad	16 Keys
Integrated Display	80 Characters

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For correct installation and use the company can guarantee only the data indicated in the instruction manual supplied with the products. Product, company names, and logo reference may be either trademarks or registered trademarks of their respective companies.

We reserve the right to make modifications and improvements.



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