ENERGIZE

The dynamic control system, ready to work for you

Overview

The Energize dynamic control system family includes both system controllers and GUI controllers. ESC system controllers connect to devices to control and monitor their operation. The EGC series of GUI controllers serve as user interfaces when connected to external monitor displays. Either standard or touch screen monitor displays can be used. Mouse and keyboard operation is also supported for system configuration or non-touch operation.

These rugged, solid state, fanless units are built on Intel Atom processors and therefore consume very little power. With powerful graphic chip sets and packed full of memory, Energize controllers deliver stunning graphics with plenty of capacity to manage large systems. Each of the controllers will network with other Energize controllers and touch panels.

There are two versions of the System Controller, the ESC-100 contains two RS232 serial ports while the ESC-300 includes six serial ports. Both versions feature four USB 2.0 and an RJ45 Gigabit Ethernet port. All the controllers feature optional wireless Ethernet capability for total system flexibility. A variety of rack, DIN and VESA mounting options are available.

The controllers are preconfigured with Intent Digital's powerful Energize dynamic control system software so you can start building projects right out of the box.
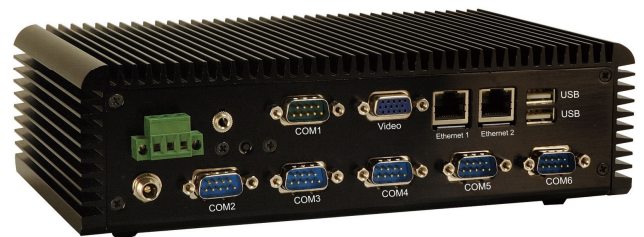
Features

- Fanless, rugged metal enclosure with low power Intel Atom Processor, EWF Protection and Solid State Disk
- Large amount of memory for system operation and graphics
- Supports touchscreen monitor and/or mouse/keyboard operation
- Ready to build projects right out of the box with Energize dynamic control system software
- Controls any audio-visual devices without the need for coding or compiling
- Connects to any number of Energize touch panels via Ethernet
- Supports optional joystick operation of PTZ camera systems

Versatile
Compact
Powerful

Front & Rear views of ESC-100 Controller with (2) serial ports

Front & Rear views of ESC-300 Controller with (6) serial ports

INTENT DIGITAL
3104 E. Camelback Road
Suite 445
Phoenix, Arizona
Voice: 602-404-0100
Email: sales@intentdigital.com
www.intentdigital.com

Specifications

	ESC-100 / EGC-100	ESC-300
Processor & Chipset	Intel® Atom™ Z510P processor 1.1GHz Intel® US15WP 1GB DDR2 Onboard Memory	Intel® Dual Core Atom™ 525 processor 1.8GHz Intel® 945GSE/ICH7M System Memory: 1 x 200-pin SO-DIMM, DDR2 533MHz, Max.
Display Interface	1 x D-SUB 15-pin VGA Resolution: 1600x1200@60Hz	1 x D-SUB 15-pin Resolution: 1920x1200@60Hz
Storage	2GB Type II Compact Flash	8GB Type II Compact Flash
Network	1 x RJ-45 for Gigabit Ethernet 1 x mini PCI wireless LAN module (option)	2 x RJ-45 for Gigabit Ethernet 1 x mini PCI wireless LAN module (option)
Wireless Option	1 x 802.11 b/g/n	1 x mini PCI wireless LAN module (option)
Serial I/O	2 x RS232 DB9 Male Chassis Connectors	6 x RS232 DB9 Male Chassis Connectors
USB	4 x USB 2.0	4 x USB 2.0
Audio	Audio jack for MIC In, Line Out 2W Amplifier with Stereo Speaker Output	2W Amplifier with Speaker Output
Mounting	VESA mount, double VESA mount w/VESA adaptor	DIN Mount, VESA-75, wall mount Optional Rackmount Kit
Dimensions	120 x 120 x 44.4mm	132(L) x 229(D) x 64(H) mm
Weight (Net/Shipping):	480 g /1.5 kg	2.1 kg / 3.9 kg
Operating Temperature	0-50 degrees C	-10-50 degrees C
Power Consumption	5 VDC 2.04A DC adapter included	12 VDC, 19W; DC adapter included

Ordering Information

Part Number	Description
ESC-100	System Controller: For use with separate touch screen LCD Monitors, (1) Ethernet LAN port, (2) RS232 serial ports, (4) USB ports. Preconfigured with both Energize GUI & Control software license.
ESC-100W	System Controller: For use with separate touch screen LCD Monitors, (1) Ethernet LAN port, 802.11b/g/n wireless, (2) RS232 serial ports, (4) USB ports. Preconfigured with both Energize GUI & Control software license.
ESC-300	System Controller: For use with separate touchscreen LCD monitors, (2) RJ45 Ethernet LAN ports, (6) RS232 serial ports, (4) USB ports. Preconfigured with both Energize GUI & Control software license.
ESC-300W	System Controller: For use with separate touchscreen LCD monitors, (2) RJ45 Ethernet LAN ports, 802.11b/g/n wireless, (6) RS232 serial ports, (4) USB ports. Preconfigured with both Energize GUI & Control software license.
EGC-100	GUI Client Controller: For use with separate touch screen LCD Monitors, (1) Ethernet LAN port, (2) RS232 serial ports, (4) USB ports. Preconfigured with Energize GUI software license.
EGC-100W	GUI Client Controller: For use with separate touch screen LCD Monitors, (1) Ethernet LAN port, (802.11b/g/n wireless, 2) RS232 serial ports, (4) USB ports. Preconfigured with Energize GUI software license.