



EASY 5

Embedded Application System

- + High performance integrated computer, network switch, and PLC system for high speed industrial process control and image processing
- + Workstation-class processing throughput
- + Compact, rugged, and complete system
- + ExoTherm Heat Rejection Architecture reduces internal temperatures by 10-20°C for reliable operation in high ambient temperature environments
- + Isolated from environmental dust
- + Dedicated DMA engine for data acquisition, network coordination, and display
- + Optimized for real-time control, data transfer, and analysis
- + Integrated GigE ethernet switch with I.E.E 802.3af/at intelligent power over Ethernet for networked peripherals

Breakthrough Innovation for Machine Vision and High Speed Machine Control



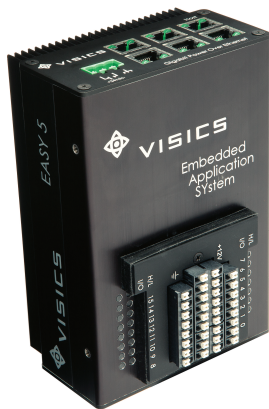
Summary Specifications

Processor options	Intel® Atom Processor
Processor speed	1.66 GHz
Drive capacity	16 - 64GB
Display capability	VGA
USB Ports	4 or 8
Integrated PLC	1 uS Scan Time, 8 - 16 channels, Bidirectional, Opto-Isolated, I/O
Operating systems	XP, XPE, Win 7, Win 7 Embedded, Win 8.1, Linux
Cooling provisions	Passive radiation

An EASY is an extremely rugged, compact industrial computer, network switch, and PLC...

able to simultaneously track products in real time, synchronize image acquisitions from large numbers of asynchronous image sources, and display images while utilizing a powerful DMA engine to reserve the processor for data analysis. EASYS feature up to eight USB 2.0 ports that can be used for cameras, user interface devices (mouse, keyboard, etc.), disk drives, and other USB devices.

There are six GigE PoE Ethernet ports that can provide power to the attached devices according to the IEEE 802.3af/at specifications. This allows for camera and peripheral operation over a single Cat 5e or Cat 6 cable – simultaneously providing power, image data transfer, triggering, strobe control, and event notification.



Performance

Processor	Atom
Processor Speed	1.66 GHz
Processor Cores	1
IO Controller	SCH
Front-side Bus Speed	800 MHz
Memory Type	DDR2
Memory Size	0.5 to 4 GB
Disk: Compact Flash	16 - 64 GB
Recommended OS	XP, 7, 8.1, and Linux

Power

Supply Voltage	20-28 VDC
Supply Current	1.0 A at 24V

Physical Dimensions

Length	166 mm
Width	106 mm
Height	65 mm
Weight	1.4 kg

Environmental Specifications

Acceleration	15 G
Shock	50 G
Thermal operating range	-30 to 50 °C
Thermal storage range	-60 to 85 °C
Humidity	0 - 95% NC

Interfaces

USB

USB (1.0/2.0) (Camera & General I/O Capable)	4
USB (1.0/2.0) (with optional internal riser)	4

Ethernet Ports (with IEEE 802.af Intelligent PoE)

Host (10/100/1000 BaseT)	1
Crosspoint Switched (10/100/1000 Base T)	5
Internal GigE Port (if optional DMA Controller)	1

BiDirectional, Opto-Isolated Digital I/O Channels

10 MHz Input Response	0, 8, or 16
50 KHz Output Response	
10 MHz Output Response (with High Speed Output Option)	

Integrated Programmable Logic Controller, 1uS Scan

	0 or 1
--	--------

Display

	VGA
--	-----



Visics.com

VISICS Corporation
70 Hastings Street
Wellesley, MA 02481

Tel: 781.235.8926

Fax: 781.235.6216

E-mail : info@visics.com