



EASY 150

Embedded Application System

- + High performance integrated computer, network switch, and PLC system for high speed industrial process control and image processing
- + Server-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.E 802.af/at intelligent power over ethernet for networked peripherals

Breakthrough Innovation for Machine Vision and High Speed Machine Control



Summary Specifications

Processor	Quad core Pentium N3540
Processor speed	up to 2.66 Ghz
Processor Cores	4
Display capability	VGA or DisplayPort
Solid State Disk	64GB to 512GB
Integrated PLC	1us Decision Response
Operating systems	Win 7, 8.1, 10, Linux

An EASY is an extremely rugged compact industrial computer, network switch, and PLC that is 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 four USB 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 attached devices according to the IEEE 802.3af specification. 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.



Visics.com

VISICS Corporation
70 Hastings Street
Wellesley, MA 02481

Tel: 781.235.8926
Fax: 781.235.6216
E-mail : info@visics.com

Performance

Processor	Quad core Pentium N3540
Processor Speed	up to 2.66 Ghz
Processor Cores	4
Memory Type	DDR3
Memory Size	2GB to 8GB
Solid State Disk	64GB to 512GB
OS	Win 7, 8.1, 10, Linux

Power

Supply Voltage	20-28 VDC external, or 45-52 VDC PoE
Power Required – exclusive of peripheral devices, i.e. PoE power supplied to camera(s)	27W
Typical Camera Power	3.5W ea

Physical Dimensions

Length	156 mm
Width	106 mm
Height	88 mm
Weight	1.3 kg

Environmental Specifications

Acceleration	15 G
Shock	50 G
Thermal operating range	
No Fan	-30 to 50 °C
With Fan	-30 to 60 °C

Interfaces

USB

USB (1.0/2.0)	3
USB USB 2.0/3.0	1

Ethernet Ports (with IEEE 802.3at Intelligent PoE)

Crosspoint Switched (1000 Base T)	4 or 5
Host Ports (10/100/1000 baseT)	1 or 2

BiDirectional, Opto-Isolated Digital I/O Channels

10 MHz Input Response	0, 8, or 16
2.5 KHz Output Response	
50 KHz Output Response (with High Speed Opto-isolated Option)	
10 Mhz Output Response (with High Speed Output Option)	

Integrated Programmable Logic Controller, 1us Decision Response

Display	VGA or DisplayPort
---------	--------------------