

KR8-315

Embedded Platform

■ Embedded Computing for
Business-Critical Continuity™

PRELIMINARY DATA SHEET

A fully integrated embedded platform featuring the Intel Atom E640 processor

- Fanless industrial computer
- 1.0 GHz Intel® Atom™ processor E640
- Intel® Platform Controller Hub EG20T
- 1GB DDR2 soldered RAM
- 250GB 2.5" SATA hard drive or 64GB Solid State Drive
- MicroSD slot for storage expansion
- VESA mountable

The KR8-315 from Emerson Network Power is a fully integrated embedded computer. Enclosed in a custom, fanless case, the KR8-315 features the Intel® Atom™ E640 processor running at 1.0 GHz. Two versions are available – a standard temperature and an extended temperature version. The extended temperature version utilizes a solid state drive eliminating all moving parts.

The KR8-315 is VESA mountable allowing a wide range of installation options. The low-profile slim-line design is appropriate for wall-mounting or mounting within larger cabinets or kiosks.

The KR8-315 has been designed to be suitable for use in applications like digital signage, clinical medical systems, security monitoring, traffic applications and industrial automation.




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Specifications

ENCLOSURE

- Two-part metal enclosure with top part acting as the heatsink
- 145 mm x 130 mm x 50 mm
- Black powder coat finish
- VESA mounting bracket enables mounting to VESA displays

FRONT PANEL FEATURES

- Power switch
- Power LED
- Disk access LED
- Reset button

REAR PANEL I/O

- 12V DC barrel socket
- VGA
- Audio Line-out
- Audio Line-in
- 2x USB
- RJ-45 Ethernet
- MicroSD socket (side of box)

CPU

- Intel® Atom™ E640 processor
- Intel® Platform Hub Controller EG20T

MEMORY

- 1GB DDR2 soldered RAM

STORAGE

- Commercial temperature version: 250GB 2.5" SATA HD
- Extended temperature version: 64GB 2.5" industrial rated SSD
- MicroSD socket for storage expansion

POWER SUPPLY

- 12V external DC power supply included

SUPPORTED OPERATING SYSTEMS

- Microsoft® Windows® 7 (32-bit and 64-bit)
- Microsoft Windows XP
- Fedora 12
- Ships with Microsoft Windows Embedded Standard 7 (64-bit) Trial Version installed

ENVIRONMENTAL

- Ambient Temperature
 - ▲ Standard temperature: 0 °C to 45 °C
 - ▲ Extended temperature: -20 °C to 70 °C
- Humidity – Designed to comply with ETSI 300 019-2-3 Class T3.1 “Normal” operating conditions for relative humidity of a low at 5% to a high of 85% with no condensation and absolute low of 1g/m2 to a high of 25g/m2
- Transportation Vibration – GR-63-CORE section 4.4.5.requirements of GR-63-CORE section 4.1.1.1
- Packaged Equipment Shock Criteria – (Category A Containers) requirements of GR-63-CORE section 4.3.1.requirements of GR-63-CORE section 4.1.1.1
- Operating Vibration and Shock
 - ▲ Sine Vibration requirement of IEC 60068-2-6
 - ▲ Broad-band Random-vibration ANSI/VITA47-2005
 - ▲ Shock of IEC 68-2-27

REGULATORY CERTIFICATIONS

- UL STD #60950-1
- CSA STD 22.2 #60950-1-03
- IEC 60950-1 CB Scheme
- UL94-V0 Flammability Compliance
- EMI Class B Compliance (FCC, VCCI, CE, KC AZ/NZ)

Ordering Information

Part Number	Description
KR8-315	Standard temperature version rated 0 °C to 45 °C with 250GB SATA HD
KR8-315-ET	Extended temperature version rated -20 °C to 70 °C with 64GB industrial SSD





SOLUTION SERVICES





Emerson Network Power provides a portfolio of solution services optimized to meet your needs throughout the product lifecycle. Design services help speed time-to-market. Deployment services include global 24x7 technical support. Renewal services enable product longevity and technology refresh.





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