

KR8-820

Fanless Embedded Computer

■ Embedded Computing for
Business-Critical Continuity™

PRELIMINARY DATA SHEET

High performance fanless embedded computer

- Fully enclosed fanless computer
- 2nd generation Intel® Core™ i5-2510E (3M Cache, up to 3.10GHz), dual-core processor with QM67 Express chipset
- 4GB DDR3 memory
- Solid state drive eliminating all moving parts
- Dual display capability from multiple physical display connections
- VESA and wall mountable

The KR8-820 embedded computer from Emerson Network Power is designed for intelligent kiosk, digital signage, medical cart and slot machine applications and offers a flexible mix of features and expansion options. Featuring the 2nd generation Intel® Core™ i5-2510E, the KR8-820 will have improved power and performance for both general and graphics processing and is fully Intel® vPro™ certified. The KR8-820 is an important addition to the Emerson Network Power embedded computer portfolio, adding a high-performance device while maintaining fanless operation.

The KR8-820 is VESA and wall mountable, allowing a wide range of installation options. The low-profile, slim-line design is also appropriate for wall-mounting or mounting within larger cabinets or kiosks. Alternative processor, memory and disk combinations are possible through the innovative Emerson RapiDex customisation service



Mechanical Diagram



VESA Mount



Wall Mount

Specifications

ENCLOSURE

- 200 mm x 250 mm x 75 mm
- VESA and wall mountable

FRONT PANEL FEATURES

- Power switch
- Reset switch
- Power LED
- HD LED

REAR PANEL I/O

- Four (4) USB 2.0 Type A ports
- Two (2) RJ-45 Gigabit Ethernet (one supporting AMT)
- Five (5) audio jacks and Toslink optical connector supporting 7.1 HD audio
- Stacked VGA 15-pin connector and RS-232 COM port
- Two (2) DisplayPort connectors
- Rear I/O DC power connector with input range of +14V to +19V

CPU

- 2nd generation Intel® Core® i5-2510E (3M Cache, up to 3.10 GHz) dual-core processor with QM67 Express chipset

MEMORY

- 4GB DDR3

- 60GB SSD

VIDEO

- Two simultaneous display channels from any two of the available connections.

ACCESSORIES INCLUDED

- VESA and wall-mounting bracket
- 90 Watt power supply with US plug
- Driver and documentation CD
- Quick Start Guide

BIOS

- UEFI-based BIOS

SUPPORTED OPERATING SYSTEMS

- Microsoft® Windows® 7 and Windows Embedded Standard 7
- Microsoft Windows XP Professional
- Fedora 16

ENVIRONMENTAL

- Operating temperature: 0 °C to 35 °C in still air, 0 to 55C with 0.4m/s air circulation with some derating

REGULATORY CERTIFICATIONS

- RoHS 6/6
- UL/CSA 60950-1, EN60950-1, IEC 60950-1, IEC 60601, FCC Class B

| Ordering Information | |
|----------------------|---|
| Part Number | Description |
| KR8-820 | Intel® Core® i5 based embedded computer |
| KR8-PS02 | Extra 90 Watt power supply with US plug |












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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-  **Embedded Computing**
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