RPCS-001 Rugged Portable Computing
Out-of-the-Box, Mission-Ready

The RPCS-001 provides a highly portable and customizable computing system in a hardened enclosure that is ready for your most demanding applications and punishing environments.

- Designed for rapid deployment
- Easily preconfigured/modified internal electronics
- Airline carry-on sized roller case with a telescoping handle for superior convenience and mobility
- Powerful mobile i7-based embedded rugged computer
- Customizable external I/O routed to a top panel under case lid
- Fanless, nearly silent operation
- Multiple hard drive, network, and AC/DC power options

COMPUTING

Processor: Intel Core i7, 2.53GHz dual core
i5/2.4GHz, i3/2.13GHz available

Chipset: QM57
Memory: 8GB, DDR3, 1066MHz

I/O

Programmable lid-mounted all-weather LCD display readable in sunlight, touchpad, 6-button keypad
Optimal dual simultaneous display
Standard VGA (DB-15HD) port display, optional DVI-I, HDMI 1.3, 24-bit LVDS
CPU power and hard drive LED indicators

Pre-configurable RJ-45 ports
Two GigE NIC controllers, four GigE hub ports
Add’l NIC controllers available on expansion board
Four external USB2.0 ports, 6 internal
One RS-232 standard, two optional
Expansion: 1xPCIe/1xPCIe 32-bit, 33MHz/2xMiniPCI

STORAGE

System accepts standard 2.5” SATA drives, rotational or solid-state
Two internal 2.5” SATA bays

One internal CD Card Type I/II
Removable drives mounted in sled, inserted via top panel, internal drives mounted inside box

PHYSICAL and POWER

HWD: 9” x 13.8” x 22”
Weight: <40 lb in typical configuration
Watertight, dust/sandproof in transit
Storage pouch for laptops, cables, etc.
Internal shock mounts

Total power: 60W maximum
100-240 VAC 50/60 Hz, 1/5 A
28 V nominal DC (9034 VDC @ 9 A - 2.4 A
Optional MIL-STD-2590 battery, cable for automatic failover, can provide 30-90min run time
LCR EMBEDDED SYSTEMS OFFERS

- Rugged Design Options
- Custom Form Factors
- Custom Backplanes and Electronics
- Custom Standards
- System Integration
- Complete Testing Capabilities
- Advanced Design Capabilities
- Retrofit/Upgrade to 3rd Party Equipment
- Complete Manufacturing Services Located in the USA

LCR Embedded Systems provides a limited, one-year warranty on its products. The complete warranty plus other terms and conditions of sale are available upon request. Contact your area LCR Embedded Systems Sales Representative for more information.