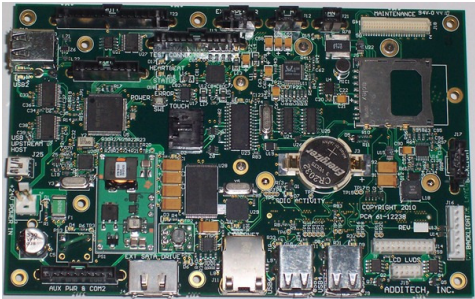
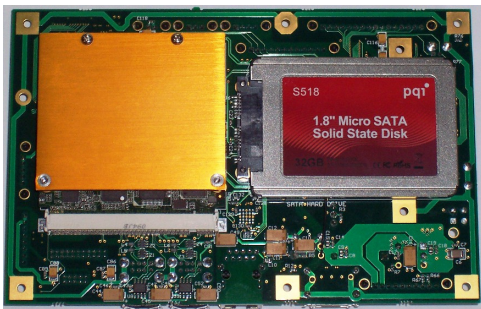


S 3 1 0 0

Carrier Board



Top side



Bottom side

- Fully-functional Carrier Board, designed to accommodate a Qseven type CPU and hard drive.
- 12VDC @ 2A (includes Qseven)
- 24-bit LVDS. Resolution up to 1920x1080, depends on the model of Qseven used.
- LCD Backlight: 12V & 5V switched output PWM brightness Control
- Drives: SD Card
1.8" SATA drive support
eSATA Connector

The Systemation Model S3100 Carrier Board, along with a Qseven type CPU and hard drive, is a fully functional single board computer. The typical Qseven module contains an Atom processor that runs up to 1.6GHz and contains up to 2GB of RAM and up to 2GB of on-board flash memory. The typical Qseven module contains the video controller, Ethernet controller and USB controller. All additional functions and interfaces are provided on the S3100 Carrier board.

Systemation Technology, Inc. has been in the video controller and custom computer board business for more than 10 years. Our video expertise includes the development of standard products, such as the S1220 board, as well as many custom boards for use with military, aviation, industrial and commercial products.

Quick turns are our specialty.

We can produce a custom prototype board in 8 weeks or less.

Questions or comments? Email us at info@systemation-inc.com or call (281) 332-7187

1321 3rd Street League City, Texas 77573 www.systemation-inc.com

SPECIFICATIONS

- **Overall size:** 7.0" x 4.5" x 1.0"
- **Power input:** 12VDC @ 2A (includes Qseven)
- **Backlight Control:** 12V & 5V switched output. PWM brightness Control
- **Video:** 24-bit LVDS Resolution up to 1920x1080, depends on the model of Qseven used.
- **Serial Ports:** COM1 & COM2 RS-232 Ports
- **USB:** 2 Each Dual USB
- **Ethernet:** 10/100/1000 RJ-45 with LEDs
- **Audio:** Realtek ALC888 2 channel audio out (un-amplified)
2 channel microphone input.
- **Touch Control:** Microchip Tshark 4/5/8 wire resistive touch screen controller on board connected to USB port.
- **Pushbuttons:** 8-button input interface connected to LPT parallel port.
- **WiFi:** Optional Systemation plug-in WiFi module Supports 802.11 b/g
- **Option EEPROM:** 2K byte EEPROM on I2C bus for user.
- **Fan:** 12VDC Fan Control, Fixed, On above 40C
- **Heater:** 12VDC heater control, Fixed, On Below 0C
- **Temperature:** Carrier Board -40C to +85C
Qseven module 0C to 70C standard
Optional -40C to +85C optional

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