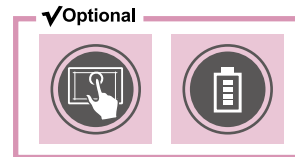




> Features

- Intel® Atom™ Processor D525 (512KB x2 L2 Cache, 1.8 GHz)
- 15.6" LCD display with 1366 x 768 resolution
- 1x 1.8" SATA socket for HDD or SSD storage
- 2x mini PCIe and 1x SIM card slots for function expansion (such as WiFi/BT or 3G module)
- Optional five-wire resistive touch sensor
- Optional battery pack for AC power loss backup
- 2x GbE supported
- 1x DDR3 SO-DIMM socket supports up to 2 GB



> System Spec

| | |
|----------------------------|---|
| Processor | Intel Atom Processor D525 (512 KB x 2 L2 Cache, 1.8 GHz) |
| South Bridge | Intel ICH8-M |
| Super I/O | ITE IT8781F |
| Main Memory | 1x DDR3 SO-DIMM socket supports up to 2 GB @ 800 MT/s |
| Graphic | Intel® integrated graphic chipset Supports CRT/LCD dual view CRT resolution up to 2048 x 1536 |
| LCD | Size: 15.6-inch, 16:9 panel Resolution: 1366 x 768, RGB, Transmissive Backlight: LED Contrast Ratio: 400:1 typical Luminance: 200 Cd/m2 typical (without touch sensor attached) |
| Storage | 7+9 pin onboard SATA connector for 1.8" HDD/SSD SATA signals on I/O connector for external HDD storage |
| Touch Sensor | Optional five-wire resistive touch sensor |
| Audio Ports | Mic-in / line-out / stereo speaker out |
| LAN | 2x 10/100/1000 Mbps ports |
| USB Ports | 2x USB 2.0 for mini PCIe card slots / 6x USB 2.0 available on I/O connectors |
| PCI Express Mini Card Slot | 1 full length mini PCIe card add-on slot with USB 2.0/ PCI Express signals and with SIM socket 1 full length mini PCIe card add-on slot with USB 2.0 and PCI Express signals |

> Power Supply

| | |
|-------------------------|--|
| DC Input | DC input at 19V DC +/- 10% (DC power must be supplied from an ADLINK IO board or external DC board) |
| Battery Pack (optional) | Single Lithium-Ion Battery, 3S2P Output: 11.1V, 5200 mAh Backup power for AC power loss (Battery pack must be connected with an ADLINK IO board or external DC board) |
| Power Consumption | Fully loaded: 31.7 W |

> Environmental

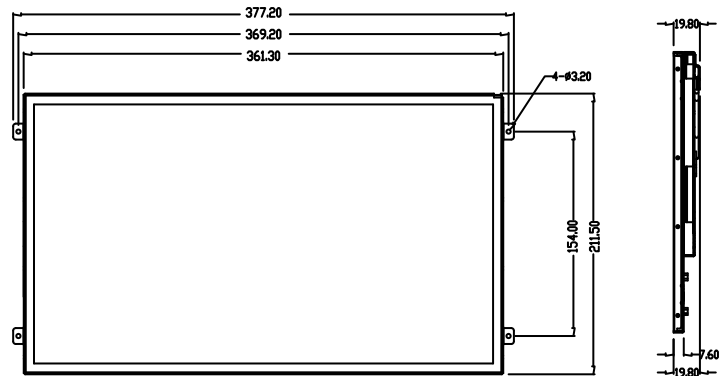
| | |
|-------------------------------------|---------------------------------|
| Operating Temperature | 0°C to 60°C |
| Storage Temperature (Non-Operation) | -20°C to 70°C |
| Humidity | 0 - 90% @ 40°C (non-condensing) |
| Certification | CE and FCC CLASS A/B Compliance |

> I/O Interface

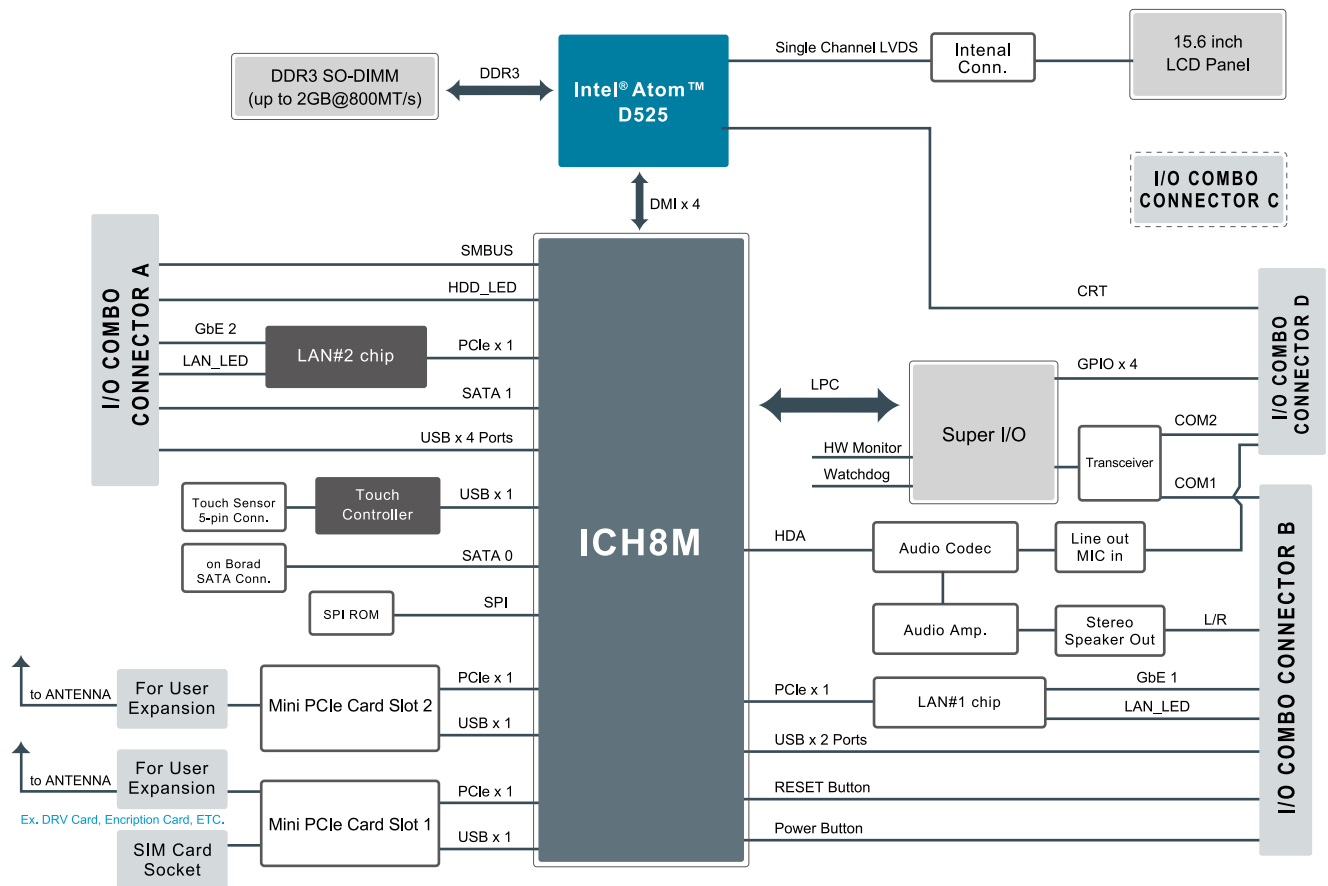
| | |
|----------------|---|
| Ethernet | 2 GbE signals |
| Serial Ports | 2 COM ports at RS232 level |
| USB Ports | 6 USB 2.0 ports |
| Display Output | CRT Port |
| Misc. Signals | Power Button / Reset / HDD LED / LAN ACT/ LINK LED / GPIO |

Dimensions / Weight

Units: mm / g 377.2 mm x 211.5 mm / 2084.2 g



CPU Block Diagram



Ordering Information

Smart Panel

| Model Number | Description/Configuration |
|----------------|--|
| SP-15LW03-NNAR | SP-15LW03-NNAR(EA) Smart panel with 5-wire resistive touch sensor |

Starter Kit

| Model Number | Description/Configuration |
|--------------------|---|
| SP-15LW03-NNAR-EWP | SP-15LW03-NNAR-EWP(EA) Starter kit of SP-15LW03-NNAR with I/O board 1 (SP-15LW03-IO1), fan and heat-pipe dissipator, 2Gb DDR3 module, 1.8" 32Gb SSD, cable kits, stand, and power adaptor |

Accessories (optional)

| Model Number | Description/Configuration |
|-------------------------|---|
| SP-15LW03-IO1 | Right-angle connectors I/O board of 19V DC IN, Power button, 4x USB, 2x LAN RJ45, VGA, and 2x COM port(RS232), 7+15P SATA connector |
| SP-15LW03-IO2 | Vertical connectors I/O board of 19V DC IN, Power button, 4x USB, 2x LAN RJ45, VGA, and 2x COM port (RS232) |
| SP-15LW03 I/O Cable Kit | SP-15LW03 I/O Cable Kit |
| AC-DC Adapter 90W | Input: 90~264V, 90W; Output: 19VDC/4.74A Frequency: 47 - 63Hz; Efficiency: 86% No power cord |