EC510/EC511-HD

**Features**
- Supports DDR3 SODIMM up to 16GB
- 2x 2.5" SATA drive bays
- 1 expansion slot

**Panel**
- Front View
- Right View
- Left View
- Rear View
- Vertical USB for securing data from unauthorized access

**Dimensions**
- 102.50
- 235.00
- 222.00
- 6.00

**Modular-Designed Systems**
- USB Drive Security
- VGA
- mSATA
- Wi-Fi
EC510/ EC511-HD

4th Gen Intel® Core™ Modular-Designed Embedded System

Specifications • Optional and is not supported in standard model. Please contact your sales representative for more information.

PROCESSOR SYSTEM
- CPU
  - 4th Generation Intel® Core™ processors (22nm process technology)
    - Intel® Core™ i7-4770TE (8M Cache, up to 3.3 GHz); 45W
    - Intel® Core™ i5-4590T (6M Cache, up to 3.0 GHz); 35W
    - Intel® Core™ i5-4570TE (4M Cache, up to 3.3 GHz); 35W
    - Intel® Core™ i5-4570TE (4M Cache, 3.1 GHz); 35W
    - Intel® Core™ i3-4340TE (4M Cache, 2.6 GHz); 35W
    - Intel® Core™ i3-4330TE (4M Cache, 2.4 GHz); 35W
    - Intel® Celeron® G1820TE (2M Cache, 2.2 GHz); 35W
  - Chipset: Intel® H81 Express Chipset

MEMORY
- Two 204-pin DDR3 SODIMM sockets
- Supports DDR3 1333/1600MHz
- Supports up to 16GB system memory
- Supports dual channel memory interface

GRAPHICS
- Intel® HD Graphics
- Display port: 1 VGA
- VGA: 24-bit, resolution up to 1920x1200 @ 60Hz

STORAGE
- 2 2.5” SATA drive bays
  - SATA 3.0 port with data transfer rate up to 6Gb/s
  - Supports 1 mSATA module via the mini PCIe socket

ETHERNET
- 1 Intel® I210 PCI Express Gigabit Ethernet controller
- 1 Intel® I217 Gigabit Ethernet Phy
- 3 Intel® WG82574L PCI Express Gigabit Ethernet controllers
- Integrated 10/100/1000 transceiver
- Fully compliant with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab

EXPANSION
- EC510
  - 1 PCI slot
    - 1 Mini PCIe slot
      - Supports USB and PCIe signals
      - Supports mSATA, Wi-Fi or 3G*
      - Supports half size or full size Mini PCIe card
  - EC511
    - 1 PCIe x16 slot
      - 1 Mini PCIe slot
        - Supports USB and PCIe signals
        - Supports mSATA, Wi-Fi or 3G*
        - Supports half size or full size Mini PCIe card

FRONT PANEL I/O PORTS
- 1 power button with LED
- 1 reset button
- 1 status LED
- 1 HDD LED
- 1 VGA port
- 5 RJ45 LAN ports
- 2 Type A USB 2.0 ports
- 2 Type A USB 3.0 ports
- 4 DB-9 RS232/422/485 serial ports (with power)
- 2 DB-9 RS232 serial ports
- 1 9~36V DC-in 3-pole terminal block
- 2 8-bit DIO 9-pole terminal blocks

POWER
- Power input voltage: 9~36V DC-in

ENVIRONMENT
- Temperature
  - Operating: 0°C ~ 45°C
  - Storage: -20°C ~ 85°C
- Operating Vibration
  - IEC68-2-64
- Operating Shock
  - Half sine wave 3G, 11ms, 3 shock per axis

CONSTRUCTION
- Aluminum + SGCC

MOUNTING
- Wall mount
  - Mounting brackets and screws*

DIMENSIONS
- 235mm x 102.5mm x 222mm (W x H x D)

WEIGHT
- TBD

OS SUPPORT
- Windows XP (32-bit) (limited function)
- Windows 7, WES 7, Windows 8, WE8S
- Linux (Distribution available upon request)

OTHER FEATURES
- Watchdog timeout programmable via software from 1 to 255 seconds

CERTIFICATION
- CE
- FCC Class A
- RoHS
EC510/EC511-HD

Wall Mounting
EC510/EC511-HD

Ordering Information

<table>
<thead>
<tr>
<th>Model Name</th>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>EC510-HD6G45</td>
<td>750-EC5100-000G</td>
<td>Fanless, i7/i5/i3, H81, 5 LAN, 6 COM, 4 USB, 16-bit DIO, 1 PCI, RoHS</td>
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<td>EC511-HD6G45</td>
<td>750-EC5110-000G</td>
<td>Fanless, i7/i5/i3, H81, 5 LAN, 6 COM, 4 USB, 16-bit DIO, 1 PCIe x16, RoHS</td>
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Optional Items

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<tr>
<th>Optional Items</th>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>CPU</td>
<td>785-1150DL</td>
<td>CPU, LGA1150, Long-Term Support, RoHS</td>
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<tr>
<td>Memory</td>
<td>785-RSOD38G-L</td>
<td>SODIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 8GB, RoHS</td>
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<td>SODIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 4GB, RoHS</td>
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<td>785-RSOD32G-L</td>
<td>SODIMM, DDR3L Module (supports dual voltage 1.5V DDR3/1.35V DDR3L), 2GB, RoHS</td>
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<td>HDD</td>
<td>785-H25500G</td>
<td>2.5” SATA HDD, 500GB, RoHS</td>
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<td>785-H25320G</td>
<td>2.5” SATA HDD, 320GB, RoHS</td>
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<td>785-S251TBG</td>
<td>2.5” SATA SSD, 1TB MLC, RoHS</td>
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<td>785-S25512G</td>
<td>2.5” SATA SSD, 512GB MLC, RoHS</td>
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<td>785-S25256G</td>
<td>2.5” SATA SSD, 256GB MLC, RoHS</td>
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<td>785-S25128G</td>
<td>2.5” SATA SSD, 128GB MLC, RoHS</td>
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<td>785-S25064G</td>
<td>2.5” SATA SSD, 64GB MLC, RoHS</td>
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<td>mSATA</td>
<td>785-MS128GMF</td>
<td>mSATA Card, 128GB MLC, RoHS</td>
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<td>785-MS04GMF</td>
<td>mSATA Card, 4GB MLC, RoHS</td>
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<td>Wi-Fi Kit, RoHS</td>
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<td>Power Cord</td>
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<td>Power Cord, Standards (USA/EUR/CH), 1.8m, RoHS</td>
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<td>Power Adapter</td>
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<td>120W, 19V/6.31A, Level 6, RoHS</td>
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<td>Wall Mount</td>
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<td>Wall Mount Kit, RoHS</td>
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Packing List

- 1 EC510/EC511 system unit
- 1 CD disk includes:
  - Drivers / Manual