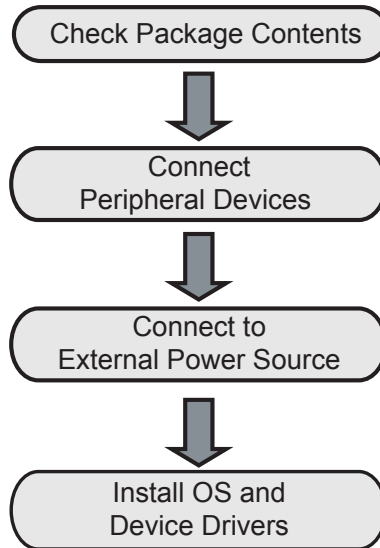


## **MXE-5500**

### **Fanless Embedded System**

#### Getting Started



#### Package Contents

Your package should contain:

- MXE-5500 controller
- Wall-mount bracket (in Accessory Box)
- Screw pack for wall-mounting and HDD fixing (in Accessory Box)
- Quick Start Guide (this document)

#### Features

- 6th Gen Intel® Core™ i7/i5/i3 Processors and QM170 chipset
- Single-side I/O with two SATA drive bays for easy drive swapping
- 1x DVI-I, 2x DisplayPort, 4x USB 2.0, 4x USB 3.0, and 4x GbE ports
- 6x COM, 8x isolated DI/O, 2x SATA-III (6.0 Gb/s) ports, 2x mPCIe slots w/ USIM, and 1x M.2 2280
- Rugged construction with fanless -20°C to 60°C operability (w/industrial SSD)
- Built-in ADLINK SEMA® 3.0 management solution
- 230 (W) x 204 (D) x 90 (H) mm (9.06 x 8.07 x 3.5 in)
- 4 kg ((8.81 lb) weight

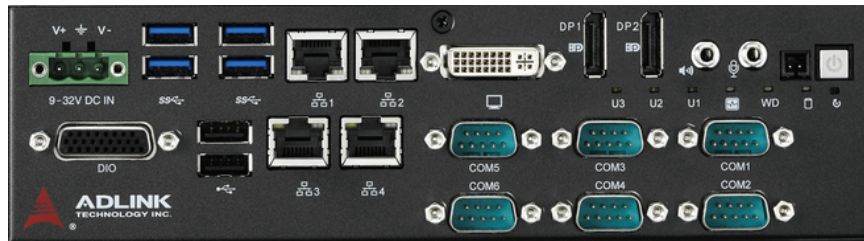
#### Power Consumption

<b>Power off</b>	2.16W	In shutdown mode with DC input and only USB keyboard/mouse
<b>System idle</b>	13.44W	Under Windows Desktop with no application programs executed
<b>Processor load full</b>	47.04W	Under Windows with 100% CPU utilization and 2D/3D graphics load
<b>System load full</b>	92.4W	Under Windows with 100% CPU utilization and simultaneous access to all I/O devices
<b>Recommended power supply</b>	160W	With consideration of voltage de-rating under high environmental temperatures

#### Connecting to External Power

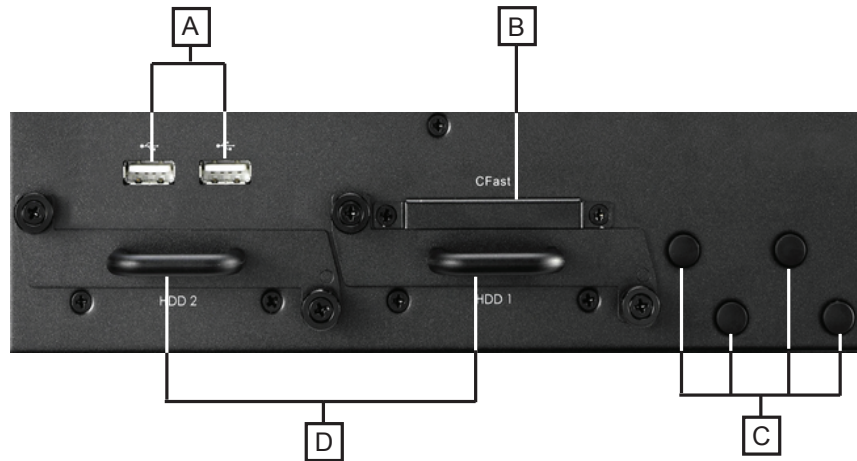
1. Connect the V+ and V- pins of a 9-32VDC 18-5A power source to a DC 3-pin connector
2. Connect the chassis ground pin if enhanced EMC compatibility is desired
3. Insert the DC 3-pin connector into the DC power supply connector port on the rear panel
4. Power up the system.

### I/O Array-Front



- Power
- Reset
- Power header
- LED indicators (x 6)
- Line-Out/Mic
- DisplayPort (x 2)
- DVI-I
- Intel Gigabit Ethernet (x 4)
- USB 3.0 (x 4)
- USB 2.0 (x 2)
- DB-26P digital I/O
- UART (x 6)
- DC power supply

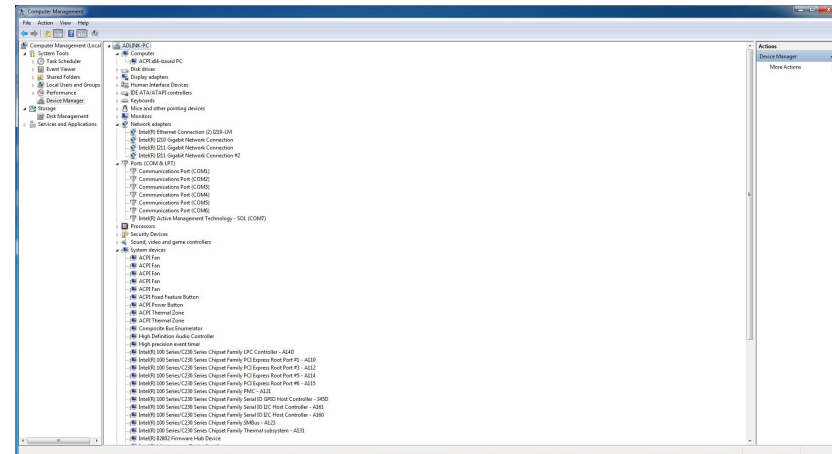
### I/O Array-Rear



<b>A</b>	USB 2.0 (x 2)
<b>B</b>	CFAST
<b>C</b>	Antenna connection plugs (x 4)
<b>D</b>	HDD/SDD Fast Plug trays (x 2)

### Installing Device Drivers

1. After OS is installed, download the latest drivers from the ADLINK website:  
<http://www.adlinktech.com/> and run
2. Follow the installation instructions, and, when prompted, restart the computer
3. After restart, check the Device Manager and ensure that the entries as shown appear



#### Contact ADLINK

Web: <http://www.adlinktech.com>  
 Service: [service@adlinktech.com](mailto:service@adlinktech.com)

Tel: +886-2-8226-5877  
 Fax: +886-2-8226-3337

Copyright 2016 ADLINK Technology, Inc.  
 Contents and specifications subject to change without notice.



*Advance Technologies*  
**Automate the World**