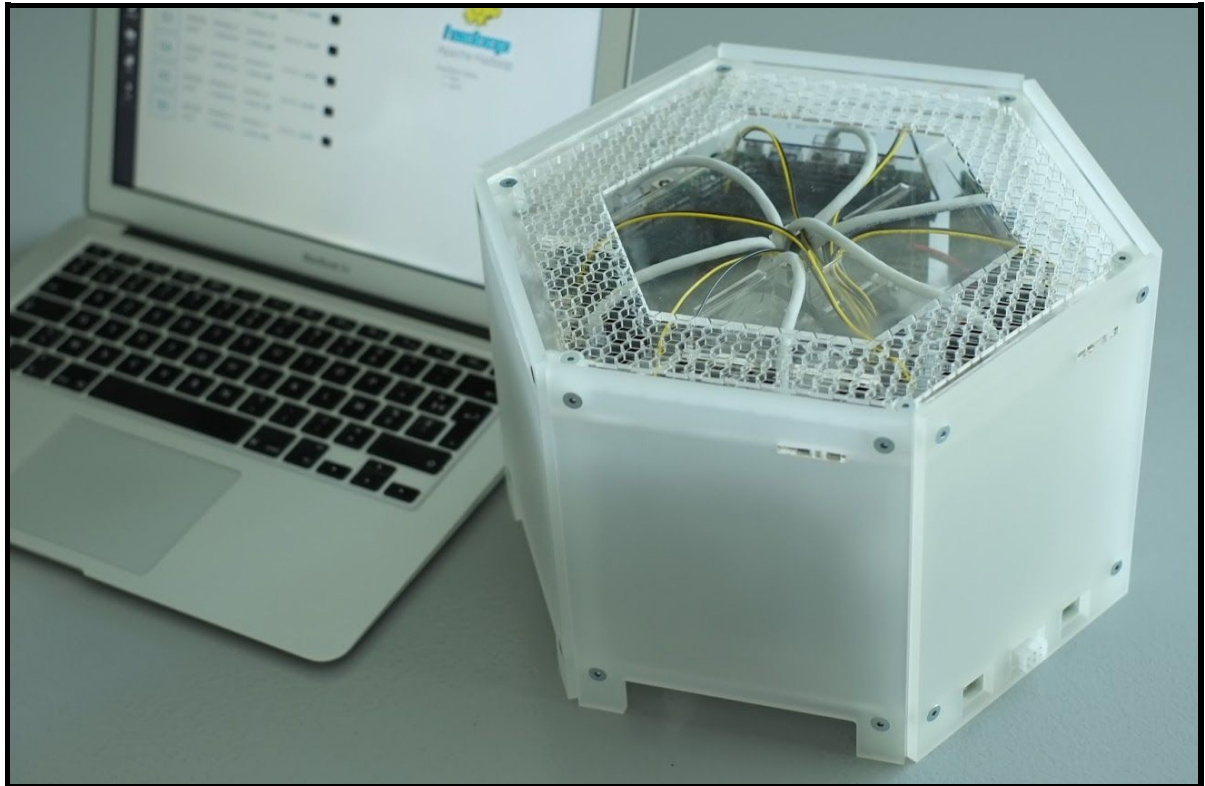


BigBoards nHex i3 (laser cut, Q3 2015, v0.8)

portable computer cluster for data processing

Technical Specifications



nHex i3

- 6 x compute nodes Intel NUC5i3MYBE
- 6 x hard drives 1TB
- 1 x GB switch 8 ports
- 1 x external PSU 280W

6 x Processor

- 5th generation Intel® Core™ i3-5010U processor
- 2.1 GHz, Dual Core, 3 MB Cache, 15W TDP
- Supports Intel® 64 architecture

6 x Graphics Card (FYI only - unused)

- Intel® HD Graphics 5500



6 x System Memory

- 16GB DDR3L SO-DIMM sockets
- 1600 MHz in dual channel configuration
- 1.35V

6 x OS Disk

- 32GB Flash drive
- M2.SATA

6 x Data Disk

- 1TB
- Sata III
- 6GB/s
- variable RPM
- 2.5" size
- power requirement +5VDC (+-5%)
- power 5.5W max (at startup)

Connections

- 2 x RJ45 gigabit LAN
- 1 x Molex 6 CKT power connector

Electrical and Operating Requirements

- Line Voltage: 100 to 240 V AC
- Frequency: 50Hz to 60Hz
- Device Voltage: 24V DC
- Operating temperature: 50° to 95° F (10° to 35° C)
- Storage temperature: -13° to 113° F (-25° to 45° C)
- Relative humidity: 0% to 90% noncondensing

Power and Heat

- Power consumption: max 250W at full load
- Heat emission: 1889.42 BTU/h at full load

Size and Weight

- Height: 164mm
- Diameter: 276mm widest / 243mm smallest
- Weight: 4236 gr

In the Box

- BigBoards nHex i3
- External PSU
- Power cord

Software

- Ubuntu Server 14.04 LTS
- BigBoards firmware, CLI, MMC
- Linked to the BigBoards Hive

