

# Intel Pod 2

## Overview

Intel Pod 2 consists of 1x Intel LWF2208IR540605 and 2x Intel LWF2208IR540606

	Intel LWF2208IR540605	Intel LWF2208IR540606
CPU	2x Intel Xeon Gold 6140 @ 2.30 GHz	2x Intel Xeon Gold 6140 @ 2.30 GHz
RAM	16x16GB ECC DIMM	12x16GB ECC DIMM
Storage	2x 4TB NVMe SSD	18x 1.6 TB NVMe SSD
GPU	N/A	N/A
Network	2x 10/Gbe SFP (connected) 2x 40/Gbe QSFP (connected)	4x 10Gbe SFP (connected)

## Server Access

Your SSH key that you provide to the Akraino dashboard will be copied to the root user of the machine. Authenticating as the root user is recommended.

## IPMI Access

When your booking completes, the dashboard will provide IPMI credentials to you.

You can access an IPMI interface like the example below:

[intel1-ipmi.akr.iol.unh.edu](http://intel1-ipmi.akr.iol.unh.edu)

Then enter the username and password from the file provided to you and now you can manage the system and will even be able to add your own public keys in the event of a reinstall of the machine.

If you have any issues with any of the IPMI interfaces please email [akraino-lab@iol.unh.edu](mailto:akraino-lab@iol.unh.edu) and we will assist you in anyway we can.

## Networking

Network	IP Network	VLAN ID	Description
IPMI / Management	10.11.15.0/24 GW: 10.11.15.1	3015	Connections to all IPMI interfaces on each server and the switch management interface
Public	10.11.16.0/24 GW: 10.11.16.1	3016	Public network (able to reach the Internet), available to each server.

## Servers and Switches

Server Name	IPMI Address	IPMI VLAN ID	Public Network Address (dns name)	Public Network VLAN ID	Switch Ports(s)	Serial Connection	OS Installed	Machine Type
intel2-intel1	10.11.15.11	3015	10.11.16.11	3016	Left 10Gbe Port 2 Breakout 3 and right 10Gbe Port 2 Breakout 4  Left 40Gbe Port 11, Right 40Gbe Port 12(Not connected yet)	TBD	CentOS 8	Intel LWF2208IR540605
intel2-intel2	10.11.15.12	3015	10.11.16.12	3016	Far left 10Gbe Port 3 Breakout 1, middle left 10Gbe Port 3 Breakout 2, middle right 10Gbe Port 3 Breakout 3, and far right 10Gbe Port 3 Breakout 4	TBD	TBD	Intel LWF2208IR540606
intel2-intel3	10.11.15.13	3015	10.11.16.13	3016	Far left 10Gbe Port 4 Breakout 1, middle left 10Gbe Port 4 Breakout 2, middle right 10Gbe Port 4 Breakout 3, and far right 10Gbe Port 4 Breakout 4	TBD	TBD	Intel LWF2208IR540606

Switch Name	Mgmt Address	VLAN ID	Serial Connection	OS Installed
-------------	--------------	---------	-------------------	--------------

intel2-edgecore	10.11.15.5	3015	Async 2/12	SONiC
-----------------	------------	------	------------	-------