Inspur inMerge HCI System
Best Recipe
V 1.5
## Revision Table

<table>
<thead>
<tr>
<th>Date</th>
<th>Modified</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>Mar 31, 2021</td>
<td>Official Version Release</td>
<td>V 1.0</td>
</tr>
<tr>
<td>April 12, 2021</td>
<td>Update platform FW version and add new HDD capacity(3.5” SAS 12TB)</td>
<td>V 1.1</td>
</tr>
<tr>
<td>Sep 1, 2021</td>
<td>Update platform FW version; Add new SSD capacity(2.5” SATA 3.84TB) and capacity(2.5” SATA 1.92TB); Add new nic (1G Quad RJ45) and (10G Dual LC); Add FW version of Storage Controller and Raid card; Add new GPU type</td>
<td>V 1.2</td>
</tr>
<tr>
<td>Sep 29, 2021</td>
<td>Add new SSD capacity(2.5” SAS 7.68TB)</td>
<td>V 1.3</td>
</tr>
<tr>
<td>Nov 19, 2021</td>
<td>Update platform M5 BIOS version; Add new nic(10G) in platform M5; Add platform M6 info;</td>
<td>V 1.4</td>
</tr>
<tr>
<td>Jan 26, 2022</td>
<td>Update FW version of Storage Controller in platform M5; Add new SSD model (2.5” SAS/SATA 1.92TB, 3.84TB) in platform M5; Add new HDD capacity(3.5” SAS 14TB, 16TB) in platform M5; Add new nic (25G Dual NIC) in platform M5; Update the version of BMC and BIOS in platform M6;</td>
<td>V 1.5</td>
</tr>
</tbody>
</table>
INSPUR inMerge System Configuration

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Software Compatibility Overview

For platform M5
For platform M6
INSPUR inMerge System Configuration

This document specifies the hardware, software, and firmware that the Nutanix platform requires to run on Inspur inMerge HCI Systems.

inMerge1000M5L & inMerge1000M5L-Core Configuration

Qualification date: November 2018

Use cases:

- Analytics and Big Data
- Backup and Disaster Recovery
- Files and Objects
- Private Cloud
- Test and Development
- End-User Computing/Virtual Desktop Infrastructure

*Note: Only Legacy BIOS is supported.*

Table 1: Server Model

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<thead>
<tr>
<th>Component</th>
<th>Description</th>
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<tbody>
<tr>
<td>Server Model</td>
<td>NF5280M5 12x 3.5inch, Redundant PS, BMC +KVM, Rails, Rackmount ARM 2U</td>
</tr>
<tr>
<td></td>
<td>Nodes per chassis: 1</td>
</tr>
<tr>
<td></td>
<td>BIOS: 4.1.18</td>
</tr>
<tr>
<td></td>
<td>BMC: 4.26.5</td>
</tr>
<tr>
<td></td>
<td>Expander: 501</td>
</tr>
<tr>
<td>Boot Drive</td>
<td>Boot drive or RAID card</td>
</tr>
<tr>
<td></td>
<td>240GB/480GB Intel S4510 M.2 SSD</td>
</tr>
<tr>
<td></td>
<td>Qty: 1-2</td>
</tr>
<tr>
<td></td>
<td>SND 9230 M.2 Raid card; Firmware: 2.3.24.1008</td>
</tr>
<tr>
<td></td>
<td>Qty: 1</td>
</tr>
<tr>
<td>Power Supply</td>
<td>800W/1300W/1600W 1U PSU</td>
</tr>
<tr>
<td></td>
<td>Qty: 2</td>
</tr>
<tr>
<td>CPU configuration</td>
<td>Memory configuration</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Intel Skylake Various CPU</td>
<td></td>
</tr>
<tr>
<td>• Silver, Gold, or Platinum</td>
<td>DDR4-2666, 1.2V, 16 GB, RDIMM</td>
</tr>
<tr>
<td>• 8 or more cores per CPU</td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td>Qty: 2</td>
<td>24 x 16 GB = 384 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2666, 1.2V, 32 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>8 x 32 GB = 256 GB</td>
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<tr>
<td></td>
<td>12 x 32 GB = 384 GB</td>
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<tr>
<td></td>
<td>16 x 32 GB = 512 GB</td>
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<tr>
<td></td>
<td>24 x 32 GB = 768 GB</td>
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<tr>
<td></td>
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<tr>
<td></td>
<td>16 x 64 GB = 1 TB</td>
</tr>
<tr>
<td></td>
<td>24 x 64 GB = 1.5 TB</td>
</tr>
<tr>
<td>Intel Cascade Lake or Cascade Lake</td>
<td>DDR4-2666, 1.2V, 16 GB, RDIMM</td>
</tr>
<tr>
<td>Refresh Various CPU</td>
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<td>• Silver, Gold, or Platinum</td>
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<td></td>
<td>12 x 64 GB = 768 GB</td>
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<td>Component</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Storage: All-Flash</td>
<td>Only SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>4, 5, 6, 7, 8, 9, 10, 11, or 12 x 2.5” SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>960GB Intel S4610 or Samsung SM883 SATA SSD;</td>
</tr>
<tr>
<td></td>
<td>1.92TB Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD;</td>
</tr>
<tr>
<td></td>
<td>3.84TB Intel S4510, S4610 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD;</td>
</tr>
<tr>
<td></td>
<td>7.68TB Samsung PM1643a SAS SSD</td>
</tr>
<tr>
<td>Storage: Hybrid</td>
<td>Mix of SATA/SAS SSDs and SAS HDDs</td>
</tr>
<tr>
<td></td>
<td>2, 3, or 4 x 2.5” SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>480GB Intel S4610 SATA SSD</td>
</tr>
<tr>
<td></td>
<td>960GB Intel S4610 or Samsung SM883 SATA SSD</td>
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<tr>
<td></td>
<td>1.92TB Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD;</td>
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<tr>
<td></td>
<td>3.84TB Intel S4510, S4610 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD;</td>
</tr>
<tr>
<td></td>
<td>7.68TB Samsung PM1643a SAS SSD</td>
</tr>
<tr>
<td></td>
<td>4, 5, 6, 7, 8, 9, or 10 x 2.5”/3.5” SAS HDDs</td>
</tr>
</tbody>
</table>

Note:
- The HDDs need to be twice or more the number of SSDs.
- A maximum of 120 TB storage per node is supported.
| 2.5” SAS | 1.2TB, 1.8TB, 2.4TB 10K RPM SAS HDDs |
| 3.5” SAS | 2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB 7.2K RPM SAS HDDs |
Table 4: Networking

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Firmware</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCIe Interface Card</td>
<td>Supported up to 2 Cards</td>
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</tr>
<tr>
<td></td>
<td>1 x Intel I350-T4V2 NIC</td>
<td>0x80001001</td>
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<tr>
<td></td>
<td>Intel 82599ES 10G Dual NIC</td>
<td>0093.ffff</td>
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<tr>
<td></td>
<td>Intel X540 10G Dual NIC</td>
<td>4.05.0</td>
</tr>
<tr>
<td></td>
<td>Intel X710 10G Quad NIC</td>
<td>8.15</td>
</tr>
<tr>
<td></td>
<td>Melanox 25G_MCX4121A-ACAT NIC</td>
<td>14.25.1020</td>
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<tr>
<td></td>
<td>Inspur E810 25G Dual LC NIC</td>
<td>2.30</td>
</tr>
<tr>
<td></td>
<td>Intel E810 25G Dual LC NIC</td>
<td>2.30</td>
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<tr>
<td></td>
<td>Inspur 82599ES 10G Dual LC NIC</td>
<td>4022.4022</td>
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<tr>
<td></td>
<td>Inspur X710 10G Dual LC NIC</td>
<td>8.15</td>
</tr>
<tr>
<td></td>
<td>Inspur X540 10G Dual RJ45 NIC</td>
<td>4.05.0</td>
</tr>
<tr>
<td></td>
<td>Inspur I350-AM4 1G Quad RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td></td>
<td>Inspur I350-AM2 1G Dual RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td>FLOM Adapter</td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OCP 25G Mellanox CX4LX NIC</td>
<td>14.25.1020</td>
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<td>OCP 25G_MCX4421ACQN NIC</td>
<td>14.25.1020</td>
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<td>OCP 25G Mellanox CX5 NIC</td>
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<td>OCP 10G_X520DA2OCP NIC</td>
<td>4030.003</td>
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<td></td>
<td>OCP 10G_X710_Dual_LC NIC</td>
<td>7.10</td>
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<tr>
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<td>OCP 10G_82599_LC NIC</td>
<td>4040.404</td>
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**Dual NIC Configuration**

By default the system supports up to two NICs. In case additional NICs are required please contact Inspur for more details.
inMerge1000M6L & inMerge1000M6L-Core Configuration

Qualification date: November 2021

Use cases:
- Analytics and Big Data
- Backup and Disaster Recovery
- Files and Objects
- Private Cloud
- Test and Development
- End-User Computing/Virtual Desktop Infrastructure

*Note: Only UEFI BIOS is supported*

Table 1: Server Model

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Model</td>
<td>NF5280M6 12x 3.5inch, Redundant PS, BMC + KVM, Rails, Rackmount ARM 2U</td>
</tr>
<tr>
<td></td>
<td>Nodes per chassis: 1</td>
</tr>
<tr>
<td></td>
<td>BIOS: 6.00.01</td>
</tr>
<tr>
<td></td>
<td>BMC: 4.14.02</td>
</tr>
<tr>
<td>Boot Drive</td>
<td>Boot drive or RAID card</td>
</tr>
<tr>
<td></td>
<td>480GB Intel S4510 M.2 SSD</td>
</tr>
<tr>
<td></td>
<td>Qty: 1-2</td>
</tr>
<tr>
<td></td>
<td>SND 9230 M.2 Raid card; Firmware: 2.3.24.1008</td>
</tr>
<tr>
<td></td>
<td>Qty: 1</td>
</tr>
<tr>
<td>Power Supply</td>
<td>800W/1300W/1600W 1U PSU</td>
</tr>
<tr>
<td></td>
<td>Qty: 2</td>
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Table 2: CPU and Memory

<table>
<thead>
<tr>
<th>CPU configuration</th>
<th>Memory configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Ice Lake</td>
<td>DDR4 2933MHz~3200 MHz, 1.2V, 16 GB, RDIMM</td>
</tr>
<tr>
<td>Various CPU</td>
<td></td>
</tr>
<tr>
<td>Gold CPU</td>
<td>8 x 16 GB = 128GB</td>
</tr>
<tr>
<td>8 or more cores</td>
<td>12 x 16 GB = 192GB</td>
</tr>
<tr>
<td>per CPU Qty: 2</td>
<td>16 x 16 GB = 256GB</td>
</tr>
<tr>
<td>Component</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Storage Controller</td>
<td>Inspur SAS Card PM8222 ; Firmware: 3.53</td>
</tr>
<tr>
<td>Storage: All-Flash</td>
<td>Only SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>4, 5, 6, 7, 8, 9, 10, 11, or 12 x 2.5” SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>960GB  Intel S4610 SATA SSD</td>
</tr>
<tr>
<td></td>
<td>1.92TB  Intel S4610 SATA SSD</td>
</tr>
<tr>
<td>Storage: Hybrid</td>
<td>Mix of SATA/SAS SSDs and SAS HDDs</td>
</tr>
<tr>
<td></td>
<td>2, 3, or 4 x 2.5” SATA/SAS SSDs</td>
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<tr>
<td>Note:</td>
<td>• The HDDs need to be twice or more the number of SSDs.</td>
</tr>
<tr>
<td></td>
<td>• A maximum of 120 TB storage per node is supported.</td>
</tr>
<tr>
<td></td>
<td>2.5” SAS  2.4TB 10K RPM SAS HDDs</td>
</tr>
</tbody>
</table>

Table 3: Storage
Table 4: Networking

<table>
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<tr>
<td></td>
<td>SND I350-AM2 1G Dual RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td>FLOM Adapter</td>
<td>Supported up to 1 Card</td>
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</tr>
<tr>
<td></td>
<td>OCP 25G_MCX562A NIC</td>
<td>16.28.2006</td>
</tr>
<tr>
<td>Dual NIC Configuration</td>
<td>By default the system supports up to two NICs. In case additional NICs are required please contact Inspur for more details.</td>
<td></td>
</tr>
</tbody>
</table>

inMerge1000M5G & inMerge1000M5G-Core Configuration

Qualification date: April 2020

Use cases:
- End-User Computing/Virtual Desktop Infrastructure

*Note: Only Legacy BIOS is supported.*

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<td>Qty: 1</td>
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<tr>
<td></td>
<td>8 x 32 GB = 256 GB</td>
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<td></td>
<td>12 x 32 GB = 384 GB</td>
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<td></td>
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<td>Intel Cascade Lake or Cascade Lake</td>
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<td>Refresh Various CPU</td>
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<td></td>
<td>16 x 32 GB = 512 GB</td>
</tr>
<tr>
<td></td>
<td>24 x 32 GB = 768 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2666, 1.2V, 64 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>12 x 64 GB = 768 GB</td>
</tr>
<tr>
<td></td>
<td>16 x 64 GB = 1 TB</td>
</tr>
<tr>
<td></td>
<td>24 x 64 GB = 1.5 TB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2933, 1.2V, 64 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>12 x 64 GB = 768 GB</td>
</tr>
</tbody>
</table>
### Table 3: Storage

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Controller</td>
<td>Inspur SAS3008IT Card; Firmware: 16.00.13.00</td>
</tr>
<tr>
<td><strong>Storage: All-Flash</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Only  SATA/SAS  SSDs</td>
</tr>
<tr>
<td></td>
<td>2, 3, 4, 5, 6, 7, or 8 x 2.5” SATA/SAS SSDs</td>
</tr>
<tr>
<td>960GB</td>
<td>Intel S4610 or Samsung SM883 SATA SSD;</td>
</tr>
<tr>
<td>1.92TB</td>
<td>Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD;</td>
</tr>
<tr>
<td></td>
<td>Samsung PM1643 SAS SSD;</td>
</tr>
<tr>
<td>3.84TB</td>
<td>Intel S4510, S4610 or Samsung SM883, PM883 SATA SSD;</td>
</tr>
<tr>
<td></td>
<td>Samsung PM1643 SAS SSD;</td>
</tr>
<tr>
<td>7.68TB</td>
<td>Samsung PM1643a SAS SSD</td>
</tr>
<tr>
<td><strong>Storage: Hybrid</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mix of SATA/SAS  SSDs and  SAS HDDs</td>
</tr>
<tr>
<td></td>
<td>2 x 2.5” SATA/SAS  SSDs</td>
</tr>
<tr>
<td>960GB</td>
<td>Intel S4610 or Samsung SM883 SATA SSD</td>
</tr>
<tr>
<td>1.92TB</td>
<td>Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD;</td>
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<tr>
<td></td>
<td>Samsung PM1643 SAS SSD</td>
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<tr>
<td>3.84TB</td>
<td>Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD;</td>
</tr>
<tr>
<td></td>
<td>Samsung PM1643 SAS SSD</td>
</tr>
<tr>
<td>7.68TB</td>
<td>Samsung SAS SSD PM1643a</td>
</tr>
<tr>
<td>4, 5, or 6 x 2.5”/3.5” SAS HDDs</td>
<td></td>
</tr>
<tr>
<td>Note:</td>
<td>The HDDs need to be twice or more the number of SSDs.</td>
</tr>
<tr>
<td></td>
<td>A maximum of 120 TB storage per node is supported.</td>
</tr>
<tr>
<td>2.5” SAS</td>
<td>1.2TB, 1.8TB, 2.4TB 10K RPM SAS HDDs</td>
</tr>
<tr>
<td>3.5” SAS</td>
<td>2TB, 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, 16TB</td>
</tr>
</tbody>
</table>
## Table 4: Networking

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Firmware</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PCIe Interface Card</strong></td>
<td>Supported up to 2 Cards</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Intel I350-T4V2 NIC</td>
<td>0x80001001</td>
</tr>
<tr>
<td></td>
<td>Intel 82599ES 10G Dual NIC</td>
<td>0093.ffff</td>
</tr>
<tr>
<td></td>
<td>Intel X540 10G Dual NIC</td>
<td>4.05.0</td>
</tr>
<tr>
<td></td>
<td>Intel X710 10G Quad NIC</td>
<td>8.15</td>
</tr>
<tr>
<td></td>
<td>Melanox 25G_MCX4121A-ACAT NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td></td>
<td>Inspur E810 25G Dual LC NIC</td>
<td>2.30</td>
</tr>
<tr>
<td></td>
<td>Intel E810 25G Dual LC NIC</td>
<td>2.30</td>
</tr>
<tr>
<td></td>
<td>Inspur 82599ES 10G Dual LC NIC</td>
<td>4022.4022</td>
</tr>
<tr>
<td></td>
<td>Inspur X710 10G Dual LC NIC</td>
<td>8.15</td>
</tr>
<tr>
<td></td>
<td>Inspur X540 10G Dual RJ45 NIC</td>
<td>4.05.0</td>
</tr>
<tr>
<td></td>
<td>Inspur I350-AM4 1G Quad RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td></td>
<td>Inspur I350-AM2 1G Dual RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td><strong>FLOM Adapter</strong></td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OCP 25G_CX4LX NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td></td>
<td>OCP 25G_MCX4421ACQN NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td></td>
<td>OCP 25G Mellanox CX5 NIC</td>
<td>16.29.2002</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_X520DA2OCP NIC</td>
<td>4030.003</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_82599LC NIC</td>
<td>4040.404</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_X710_Dual LC NIC</td>
<td>7.10</td>
</tr>
<tr>
<td><strong>Dual NIC Configuration</strong></td>
<td>By default the system supports up to two NICs. In case additional NICs are required please contact Inspur for more details.</td>
<td></td>
</tr>
</tbody>
</table>

## Table 5: GPU

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computation and Graphics Accelerators</strong></td>
<td>1, 2, or 3 x Computation and Graphics Accelerators Note: A maximum of 3 GPUs of the same type are supported. The RTX GPUs’ minimum AOS requirement is 5.19.</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla T4 16GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla V100 16GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla V100 32GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla P40 24GB</td>
</tr>
</tbody>
</table>
### inMerge1000M6G & inMerge1000M6G-Core Configuration

**Qualification date:** November 2021  
**Use cases:**  
- End-User Computing/Virtual Desktop Infrastructure  

*Note: Only UEFI BIOS is supported.*

### Table 1: Server Model

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Model</td>
<td>NF5280M6 12x 3.5inch, Redundant PS, BMC +KVM, Rails, Rackmount ARM 2U</td>
</tr>
<tr>
<td></td>
<td>Nodes per chassis: 1</td>
</tr>
<tr>
<td></td>
<td>BIOS: 6.00.01</td>
</tr>
<tr>
<td></td>
<td>BMC: 4.14.02</td>
</tr>
<tr>
<td>Boot Drive</td>
<td>Boot drive or RAID card</td>
</tr>
<tr>
<td></td>
<td>480GB Intel S4510 M.2 SSD</td>
</tr>
<tr>
<td></td>
<td>Qty: 1-2</td>
</tr>
<tr>
<td></td>
<td>SND 9230 M.2 Raid card; Firmware: 2.3.24.1008</td>
</tr>
<tr>
<td></td>
<td>Qty: 1</td>
</tr>
<tr>
<td>Power Supply</td>
<td>800W/1300W/1600W 1U PSU</td>
</tr>
<tr>
<td></td>
<td>Qty: 2</td>
</tr>
</tbody>
</table>

### Table 2: CPU and Memory

<table>
<thead>
<tr>
<th>CPU configuration</th>
<th>Memory configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Ice Lake Various CPU</td>
<td>DDR4 2933MHz~3200 MHz, 1.2V, 16 GB, RDIMM</td>
</tr>
<tr>
<td>• Gold CPU</td>
<td>8 x 16 GB = 128GB</td>
</tr>
<tr>
<td>• 8 or more cores per CPU</td>
<td>12 x 16 GB = 192GB</td>
</tr>
<tr>
<td>Qty: 2</td>
<td>16 x 16 GB = 256GB</td>
</tr>
<tr>
<td>Component</td>
<td>Description</td>
</tr>
<tr>
<td>--------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Storage Controller</td>
<td>Inspur SAS Card PM8222 ; Firmware: 3.53</td>
</tr>
<tr>
<td>Storage: All-Flash</td>
<td>Only SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>2, 3, 4, 5, 6, 7, or 8 x 2.5” SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>960GB Intel S4610 SATA SSD</td>
</tr>
<tr>
<td></td>
<td>1.92TB Intel S4610 SATA SSD</td>
</tr>
<tr>
<td>Storage: Hybrid</td>
<td>Mix of SATA/SAS SSDs and SAS HDDs</td>
</tr>
<tr>
<td></td>
<td>2 x 2.5” SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>960GB Intel S4610 SATA SSD</td>
</tr>
<tr>
<td></td>
<td>1.92TB Intel S4610 SATA SSD</td>
</tr>
<tr>
<td></td>
<td>4, 5, or 6 x 2.5”/3.5” SAS HDDs</td>
</tr>
<tr>
<td>Note:</td>
<td>• The HDDs need to be twice or more the number of SSDs.</td>
</tr>
<tr>
<td></td>
<td>• A maximum of 120 TB storage per node is supported.</td>
</tr>
<tr>
<td></td>
<td>2.5” SAS 2.4TB 10K RPM SAS HDDs</td>
</tr>
</tbody>
</table>
Table 4: Networking

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Firmware</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCIe Interface Card</td>
<td>Supported up to 2 Cards</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inspur X710 10G Dual LC NIC</td>
<td>8.15</td>
</tr>
<tr>
<td></td>
<td>Intel X710 10G Quad NIC</td>
<td>8.15</td>
</tr>
<tr>
<td></td>
<td>SND I350-AM2 1G Dual RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td>FLOM Adapter</td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OCP 25G_MCX562A NIC</td>
<td>16.28.2006</td>
</tr>
</tbody>
</table>

Dual NIC Configuration

By default the system supports up to two NICs. In case additional NICs are required please contact Inspur for more details.

Table 5: GPU

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computation and Graphics Accelerators</td>
<td>1, 2 Computation and Graphics Accelerators Note: A maximum of 2 GPUs of the same type are supported. The RTX GPUs’ minimum AOS requirement is 5.20.1.1.</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla T4 16GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla V100S 32GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia A10 24GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia A30 24GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla A40 48GB</td>
</tr>
<tr>
<td></td>
<td>Nvidia Tesla A100 40GB</td>
</tr>
</tbody>
</table>

inMerge1000M5S & inMerge1000M5S-Core Configuration

Qualification date: May 2020

Use cases:
- Analytics and Big Data
- Backup and Disaster Recovery
- Private Cloud
- Test and Development
- End-User Computing/Virtual Desktop Infrastructure
Note: Only Legacy BIOS is supported.

### Table 1: Server Model

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Server Model</strong></td>
<td>NF5280 M5 24x 2.5inch, Redundant PS, BMC +KVM, Rails, Rackmount ARM 2U</td>
</tr>
<tr>
<td></td>
<td>Nodes per chassis: 1</td>
</tr>
<tr>
<td></td>
<td>BIOS: 4.1.18</td>
</tr>
<tr>
<td></td>
<td>BMC: 4.26.5</td>
</tr>
<tr>
<td><strong>Boot Drive</strong></td>
<td>Boot drive or RAID card</td>
</tr>
<tr>
<td></td>
<td>240GB/480GB Intel S4510 M.2 SSD</td>
</tr>
<tr>
<td></td>
<td>Qty: 1-2</td>
</tr>
<tr>
<td></td>
<td>SND 9230 M.2 Raid card; Firmware: 2.3.24.1008</td>
</tr>
<tr>
<td></td>
<td>Qty: 1</td>
</tr>
<tr>
<td><strong>Power Supply</strong></td>
<td>800W/1300W/1600W 1U PSU</td>
</tr>
<tr>
<td></td>
<td>Qty: 2</td>
</tr>
<tr>
<td>CPU configuration</td>
<td>Memory configuration</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>----------------------------------------------------------</td>
</tr>
<tr>
<td>Intel Skylake Various CPU</td>
<td>DDR4-2666, 1.2V, 16 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td></td>
<td>24 x 16 GB = 384 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2666, 1.2V, 32 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>8 x 32 GB = 256 GB</td>
</tr>
<tr>
<td></td>
<td>12 x 32 GB = 384 GB</td>
</tr>
<tr>
<td></td>
<td>16 x 32 GB = 512 GB</td>
</tr>
<tr>
<td></td>
<td>24 x 32 GB = 768 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2666, 1.2V, 64 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>12 x 64 GB = 768 GB</td>
</tr>
<tr>
<td>Intel Cascade Lake or Cascade Lake</td>
<td>DDR4-2666, 1.2V, 16 GB, RDIMM</td>
</tr>
<tr>
<td>Refresh Various CPU</td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td></td>
<td>24 x 16 GB = 384 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2933, 1.2V, 16 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td></td>
<td>24 x 16 GB = 384 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2666, 1.2V, 32 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>8 x 32 GB = 256 GB</td>
</tr>
<tr>
<td></td>
<td>12 x 32 GB = 384 GB</td>
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<tr>
<td></td>
<td>16 x 32 GB = 512 GB</td>
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<tr>
<td></td>
<td>24 x 32 GB = 768 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2933, 1.2V, 32 GB, RDIMM</td>
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<td></td>
<td>8 x 32 GB = 256 GB</td>
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<td>12 x 32 GB = 384 GB</td>
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<td></td>
<td>24 x 32 GB = 768 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2666, 1.2V, 64 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>12 x 64 GB = 768 GB</td>
</tr>
<tr>
<td></td>
<td>16 x 64 GB = 1 TB</td>
</tr>
<tr>
<td></td>
<td>24 x 64 GB = 1.5 TB</td>
</tr>
<tr>
<td>Intel Skylake Various CPU</td>
<td>DDR4-2933, 1.2V, 64 GB, RDIMM</td>
</tr>
<tr>
<td></td>
<td>12 x 64 GB = 768 GB</td>
</tr>
</tbody>
</table>
Table 3: Storage

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Controller</td>
<td>Inspur SAS3008IT Card; Firmware: 16.00.13.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storage: All-Flash</th>
<th>SATA/SAS SSDs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, or 24 x 2.5” SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>960GB Intel S4610 or Samsung SM883 SATA SSD</td>
</tr>
<tr>
<td></td>
<td>1.92TB Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD</td>
</tr>
<tr>
<td></td>
<td>3.84TB Intel S4510, S4610 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD</td>
</tr>
<tr>
<td></td>
<td>7.68TB Samsung PM1643a SAS SSD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storage: All-Flash</th>
<th>SATA/SAS SSDs and NVMe SSDs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20 x 2.5” SATA SSDs</td>
</tr>
<tr>
<td></td>
<td>960GB Intel S4610 or Samsung SM883 SATA SSD</td>
</tr>
<tr>
<td></td>
<td>1.92TB Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD</td>
</tr>
<tr>
<td></td>
<td>3.84TB Intel S4510, S4610 or Samsung SM883, PM883 SATA SSD; Samsung PM1643 SAS SSD</td>
</tr>
<tr>
<td></td>
<td>7.68TB Samsung PM1643a SAS SSD</td>
</tr>
<tr>
<td></td>
<td>4 x 2.5” NVMe SSDs</td>
</tr>
<tr>
<td></td>
<td>750GB Intel P4800X Optane SSD</td>
</tr>
<tr>
<td></td>
<td>1.5TB Intel P4800X Optane SSD</td>
</tr>
</tbody>
</table>
### Storage: Hybrid

- **3.2TB**
  - **Intel P4610 SSD**

- **4, 5, 6, 7, or 8 x 2.5" SATA/SAS SSDs**

- **960GB**
  - **Intel S4610 or Samsung SM883 SATA SSD**

- **1.92TB**
  - **Intel S4610, S4510 or Samsung SM883, PM883 SATA SSD**
  - **Samsung PM1643 SAS SSD**

- **3.84TB**
  - **Intel S4510, S4610 or Samsung SM883, PM883 SATA SSD**
  - **Samsung PM1643 SAS SSD**

- **7.68TB**
  - **Samsung PM1643a SAS SSD**

- **8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, or 20 x 2.5" HDDs**

**Note:**
- The HDDs need to be twice or more the number of SSDs.
- A maximum of 120 TB storage per node is supported.

### 2.5" SAS

- **1.2TB, 1.8TB, 2.4TB 10K RPM SAS HDDs**

---

### Table 4: Networking

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Firmware</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PCIe Interface Card</strong></td>
<td>Supported up to 2 Cards</td>
<td></td>
</tr>
<tr>
<td>1 x Intel I350-T4V2 NIC</td>
<td>0x80001001</td>
<td></td>
</tr>
<tr>
<td>Intel 82599ES 10G Dual NIC</td>
<td>0093.ffff</td>
<td></td>
</tr>
<tr>
<td>Intel X540 10G Dual NIC</td>
<td>4.05.0</td>
<td></td>
</tr>
<tr>
<td>Intel X710 10G Four NIC</td>
<td>8.15</td>
<td></td>
</tr>
<tr>
<td>Melanox 25G_MCX4121A-ACAT NIC</td>
<td>14.25.1020</td>
<td></td>
</tr>
<tr>
<td>Inspur E810 25G Dual LC NIC</td>
<td>2.30</td>
<td></td>
</tr>
<tr>
<td>Intel E810 25G Dual LC NIC</td>
<td>2.30</td>
<td></td>
</tr>
<tr>
<td>Inspur 82599ES 10G Dual LC NIC</td>
<td>4022.4022</td>
<td></td>
</tr>
<tr>
<td>Inspur X710 10G Dual LC NIC</td>
<td>8.15</td>
<td></td>
</tr>
<tr>
<td>Inspur X540 10G Dual RJ45 NIC</td>
<td>4.05.0</td>
<td></td>
</tr>
<tr>
<td>Inspur I350-AM4 1G Quad RJ45 NIC</td>
<td>1.63</td>
<td></td>
</tr>
<tr>
<td>Inspur I350-AM2 1G Dual RJ45 NIC</td>
<td>1.63</td>
<td></td>
</tr>
<tr>
<td><strong>FLOM Adapter</strong></td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td>OCP 25G_CX4LX NIC</td>
<td>14.25.1020</td>
<td></td>
</tr>
<tr>
<td>OCP 25G_MCX4421ACQN NIC</td>
<td>14.25.1020</td>
<td></td>
</tr>
<tr>
<td>OCP 25G Mellanox CX5 NIC</td>
<td>16.29.2002</td>
<td></td>
</tr>
<tr>
<td>NIC Model</td>
<td>Price</td>
<td></td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td>OCP 10G_X520DA2OCP NIC</td>
<td>4030.003</td>
<td></td>
</tr>
<tr>
<td>OCP 10G_X710_Dual_LC NIC</td>
<td>7.10</td>
<td></td>
</tr>
<tr>
<td>OCP 10G_82599_LC NIC</td>
<td>4040.404</td>
<td></td>
</tr>
</tbody>
</table>

**Dual NIC Configuration**

By default the system supports up to two NICs. In case additional NICs are required please contact Inspur for more details.
inMerge900M5S&inMerge900M5S-Core Configuration

Qualification date: December 2019

Use cases:
- Analytics and Big Data
- Private Cloud
- Test and Development
- End-User Computing/Virtual Desktop Infrastructure

*Note: Only Legacy BIOS is supported.*

### Table 1: Server Model

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Model</td>
<td>i24-NS5162 24x 2.5&quot;, 2000W Redundant PS, BMC +KVM, Rails Nodes per chassis: 4</td>
</tr>
<tr>
<td></td>
<td>BIOS: 4.1.9</td>
</tr>
<tr>
<td></td>
<td>BMC: 4.4.1</td>
</tr>
<tr>
<td></td>
<td>CMC: 3.18.0</td>
</tr>
<tr>
<td>Boot Drive</td>
<td>Boot drive or RAID card</td>
</tr>
<tr>
<td></td>
<td>240GB/480GB Intel S4510 M.2 SSD</td>
</tr>
<tr>
<td></td>
<td>Qty: 1-2</td>
</tr>
<tr>
<td></td>
<td>SND 9230 M.2 Raid card; Firmware: 2.3.24.1008</td>
</tr>
<tr>
<td></td>
<td>Qty: 1</td>
</tr>
<tr>
<td>Power Supply</td>
<td>2000W 1U PSU</td>
</tr>
<tr>
<td></td>
<td>Qty: 2</td>
</tr>
</tbody>
</table>
Table 2: CPU and Memory

<table>
<thead>
<tr>
<th>CPU configuration</th>
<th>Memory configuration (Per Node)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Skylake Various CPU</td>
<td></td>
</tr>
<tr>
<td>- Silver, Gold, or Platinum</td>
<td></td>
</tr>
<tr>
<td>- 8 or more cores per CPU</td>
<td></td>
</tr>
<tr>
<td>Qty: 2</td>
<td></td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 16 GB, RDIMM</td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 32 GB, RDIMM</td>
<td>8 x 32 GB = 256 GB</td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 64 GB, RDIMM</td>
<td>8 x 64 GB = 512 GB</td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 16 GB, RDIMM</td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 32 GB, RDIMM</td>
<td>8 x 32 GB = 256 GB</td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 64 GB, RDIMM</td>
<td>8 x 64 GB = 512 GB</td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 16 GB, LRDIMM</td>
<td>16 x 16 GB = 256 GB</td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 32 GB, LRDIMM</td>
<td>16 x 32 GB = 512 GB</td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 64 GB, LRDIMM</td>
<td>16 x 64 GB = 1 TB</td>
</tr>
<tr>
<td>Intel Cascade Lake or Cascade Lake</td>
<td></td>
</tr>
<tr>
<td>Refresh Various CPU</td>
<td></td>
</tr>
<tr>
<td>- Silver, Gold, or Platinum</td>
<td></td>
</tr>
<tr>
<td>- 8 or more cores per CPU</td>
<td></td>
</tr>
<tr>
<td>Qty: 2</td>
<td></td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 16 GB, RDIMM</td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 16 GB, RDIMM</td>
<td>12 x 16 GB = 192 GB</td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 32 GB, RDIMM</td>
<td>8 x 32 GB = 256 GB</td>
</tr>
<tr>
<td>Configuration</td>
<td>Memory Size</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------</td>
</tr>
<tr>
<td>12 x 32 GB = 384 GB</td>
<td></td>
</tr>
<tr>
<td>16 x 32 GB = 512 GB</td>
<td></td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 32 GB, RDIMM</td>
<td></td>
</tr>
<tr>
<td>8 x 32 GB = 256 GB</td>
<td></td>
</tr>
<tr>
<td>12 x 32 GB = 384 GB</td>
<td></td>
</tr>
<tr>
<td>16 x 32 GB = 512 GB</td>
<td></td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 64 GB, RDIMM</td>
<td></td>
</tr>
<tr>
<td>8 x 64 GB = 512 GB</td>
<td></td>
</tr>
<tr>
<td>12 x 64 GB = 768 GB</td>
<td></td>
</tr>
<tr>
<td>16 x 64 GB = 1 TB</td>
<td></td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 64 GB, RDIMM</td>
<td></td>
</tr>
<tr>
<td>8 x 64 GB = 512 GB</td>
<td></td>
</tr>
<tr>
<td>12 x 64 GB = 768 GB</td>
<td></td>
</tr>
<tr>
<td>16 x 64 GB = 1 TB</td>
<td></td>
</tr>
<tr>
<td>DDR4-2666, 1.2V, 64 GB, LRDIMM</td>
<td></td>
</tr>
<tr>
<td>8 x 64 GB = 512 GB</td>
<td></td>
</tr>
<tr>
<td>12 x 64 GB = 768 GB</td>
<td></td>
</tr>
<tr>
<td>16 x 64 GB = 1 TB</td>
<td></td>
</tr>
<tr>
<td>DDR4-2933, 1.2V, 64 GB, LRDIMM</td>
<td></td>
</tr>
<tr>
<td>8 x 64 GB = 512 GB</td>
<td></td>
</tr>
<tr>
<td>12 x 64 GB = 768 GB</td>
<td></td>
</tr>
<tr>
<td>16 x 64 GB = 1 TB</td>
<td></td>
</tr>
</tbody>
</table>
### Table 3: Storage

<table>
<thead>
<tr>
<th>Component</th>
<th>Description (Per Node)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Controller</td>
<td>Inspur SAS3008IT Card; Firmware: 16.00.13.00</td>
</tr>
<tr>
<td>Storage: All-Flash</td>
<td>Only SATA/SAS SSDs</td>
</tr>
<tr>
<td></td>
<td>2, 3, 4, 5, or 6 x 2.5&quot; SATA/SAS SSDs, per node</td>
</tr>
<tr>
<td>960GB</td>
<td>Intel S4610 or Samsung SM883 SSD</td>
</tr>
<tr>
<td>1.92TB</td>
<td>Intel S4510 or Samsung SM883, PM883 SSD</td>
</tr>
<tr>
<td>3.84TB</td>
<td>Intel S4510, S4610 Samsung PM883, or SM883 SSD</td>
</tr>
<tr>
<td>Storage: All-Flash</td>
<td>Only SATA/SAS and NVMe SSDs</td>
</tr>
<tr>
<td></td>
<td>4 x 2.5&quot; SATA/SAS SSDs, per node</td>
</tr>
<tr>
<td>960GB</td>
<td>Intel S4610 or Samsung SM883 SSD</td>
</tr>
<tr>
<td>1.92TB</td>
<td>Intel S4510 or Samsung SM883, PM883 SSD</td>
</tr>
<tr>
<td>3.84TB</td>
<td>Intel S4510, S4610 Samsung PM883, or SM883 SSD</td>
</tr>
<tr>
<td></td>
<td>2 x 2.5&quot; NVMe SSDs</td>
</tr>
<tr>
<td>750GB</td>
<td>Intel P4800X Optane SSD</td>
</tr>
<tr>
<td>1.5TB</td>
<td>Intel P4800X Optane SSD</td>
</tr>
<tr>
<td>3.2TB</td>
<td>Intel P4610 SSD</td>
</tr>
<tr>
<td>Storage: Hybrid</td>
<td>Mix of SATA SSDs and HDDs</td>
</tr>
<tr>
<td></td>
<td>2 x 2.5&quot; SATA SSDs</td>
</tr>
<tr>
<td>960GB</td>
<td>Intel S4610 or Samsung SM883 SSD</td>
</tr>
<tr>
<td>1.92TB</td>
<td>Intel S4510 or Samsung SM883, PM883 SSD</td>
</tr>
<tr>
<td>3.84TB</td>
<td>Intel S4510, S4610 or Samsung PM883, SM883 SSD</td>
</tr>
<tr>
<td></td>
<td>4 x 2.5&quot; HDDs</td>
</tr>
<tr>
<td>Note:</td>
<td>• The HDDs need to be twice or more the number of SSDs.</td>
</tr>
<tr>
<td>2.5&quot; SAS</td>
<td>1.2, 1.8, 2.4TB 10K RPM SAS HDDs</td>
</tr>
</tbody>
</table>
Table 4: Networking

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Firmware</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCIe Interface Card</td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inspur I350-AM4 1G Quad RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td></td>
<td>Inspur 82599ES 10G Dual LC NIC</td>
<td>4022.4022</td>
</tr>
<tr>
<td></td>
<td>Inspur X550 10G Dual RJ45 NIC</td>
<td>1.1937.0</td>
</tr>
<tr>
<td></td>
<td>1 x Melanox 25G_MCX4121A-ACAT NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td>FLOM Adapter</td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OCP 25G_CX4Lx NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td></td>
<td>OCP 25G_CX5 NIC</td>
<td>16.29.2002</td>
</tr>
<tr>
<td></td>
<td>OCP 25G_MCX4421ACQN NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_X520DA2OCP NIC</td>
<td>4030.003</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_82599_LC NIC</td>
<td>4040.404</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_X557 RJ NIC</td>
<td>3.33</td>
</tr>
<tr>
<td>Dual NIC Configuration</td>
<td>The system can support 2 NICs</td>
<td></td>
</tr>
</tbody>
</table>

Note: The PCIe Network Interface quantity is per node

inMerge600M5S & inMerge600M5S-Core Configuration

Qualification date: Jan 2021

Use cases:
- Private Cloud
- Test and Development
- End-User Computing/Virtual Desktop Infrastructure

Note: Only Legacy BIOS is supported.

Table 1: Server Model

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Model</td>
<td>NF5180M5 10x 2.5inch, Redundant PS, BMC +KVM, Rails, Rackmount ARM 1U</td>
</tr>
<tr>
<td></td>
<td>Nodes per chassis: 1</td>
</tr>
<tr>
<td></td>
<td>BIOS: 4.1.12</td>
</tr>
<tr>
<td></td>
<td>BMC: 4.18.2</td>
</tr>
<tr>
<td>Boot Drive</td>
<td>Boot drive or RAID card</td>
</tr>
<tr>
<td>240GB/480GB Intel S4510 M.2 SSD</td>
<td>Qty: 1-2</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>SND 9230 M.2 Raid card;</td>
<td>Qty: 1</td>
</tr>
<tr>
<td>Power Supply</td>
<td>800W 1U PSU</td>
</tr>
</tbody>
</table>

### Table 2: CPU and Memory

<table>
<thead>
<tr>
<th>CPU configuration</th>
<th>Memory configuration (Per Node)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel Cascade Lake or Cascade Lake Refresh Various CPU ● Silver, Gold, or Platinum ● 8 or more cores per CPU Qty: 2</td>
<td>DDR4-2933 1.2V, 16 GB, RDIMM 12 x 16 GB = 192 GB 24 x 16 GB = 384 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2933, 1.2V, 32 GB, RDIMM 8 x 32 GB = 256 GB 12 x 32 GB = 384 GB 16 x 32 GB = 512 GB 24 x 32 GB = 768 GB</td>
</tr>
<tr>
<td></td>
<td>DDR4-2933, 1.2V, 64 GB, RDIMM 12 x 64 GB = 768 GB 16 x 64 GB = 1 TB 24 x 64 GB = 1.5 TB</td>
</tr>
</tbody>
</table>

### Table 3: Storage

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Controller</td>
<td>Inspur SAS3008IT Card; Firmware: 16.00.13.00</td>
</tr>
<tr>
<td>Storage: Hybrid</td>
<td>Mix of SATA SSDs and SAS HDDs</td>
</tr>
<tr>
<td></td>
<td>2 x 2.5(^*) SATA/SAS SSDs</td>
</tr>
<tr>
<td>960GB</td>
<td>Intel S4610</td>
</tr>
<tr>
<td>1.92TB</td>
<td>Intel S4610, S4510 or Samsung PM883 SSD</td>
</tr>
<tr>
<td>3.84TB</td>
<td>Intel S4510, S4610 or Samsung PM883 SSD</td>
</tr>
<tr>
<td>4, 5 or 6 x 2.5(^*) HDDs</td>
<td>Note: The HDDs need to be twice or more the number of SSDs.</td>
</tr>
</tbody>
</table>
• A maximum of 120 TB storage per node is supported.

2.5” SAS | 1.2, 1.8, 2.4TB 10K RPM SAS HDDs

**Table 4: Networking**

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>Firmware</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCIe Interface Card</td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 x Intel I350-T4V2 NIC</td>
<td>0x80001001</td>
</tr>
<tr>
<td></td>
<td>Intel 82599ES 10G Dual NIC</td>
<td>0093.ffff</td>
</tr>
<tr>
<td></td>
<td>Intel X540 10G Dual NIC</td>
<td>4.05.0</td>
</tr>
<tr>
<td></td>
<td>Melanox 25G_MCX4121A-ACAT NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td></td>
<td>Inspur 82599ES 10G Dual LC NIC</td>
<td>4022.4022</td>
</tr>
<tr>
<td></td>
<td>Inspur X540 10G Dual RJ45 NIC</td>
<td>4.05.0</td>
</tr>
<tr>
<td></td>
<td>Inspur I350-AM4 1G Quad RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td></td>
<td>Inspur I350-AM2 1G Dual RJ45 NIC</td>
<td>1.63</td>
</tr>
<tr>
<td>FLOM Adapter</td>
<td>Supported up to 1 Card</td>
<td></td>
</tr>
<tr>
<td></td>
<td>OCP 25G_CX4LX NIC</td>
<td>14.25.1020</td>
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<tr>
<td></td>
<td>OCP 25G_MCX4421ACQN NIC</td>
<td>14.25.1020</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_X520DA2OCP NIC</td>
<td>4030.003</td>
</tr>
<tr>
<td></td>
<td>OCP 10G_82599_LC NIC</td>
<td>4040.404</td>
</tr>
<tr>
<td>Dual NIC Configuration</td>
<td>By default the system supports up to two NICs. In case additional NICs are required please contact Inspur for more details.</td>
<td></td>
</tr>
</tbody>
</table>
Software Compatibility Overview

Note:
For more information about supported AOS and Hypervisor versions, you can refer to: https://portal.nutanix.com/page/documents/compatibility-interoperability-matrix/hardware

For platform M5

The recommended qualified software versions are as follow:

<table>
<thead>
<tr>
<th>AOS</th>
<th>Hypervisor Version</th>
<th>Foundation</th>
<th>NCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;= 5.15.2(LTS)</td>
<td>AHV &gt;= 20170830.434</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESXi 6.5 U3, 6.7U3, 7.0 U2a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;= 5.20 (LTS)</td>
<td>AHV &gt;= 20201105.2030</td>
<td>5.x</td>
<td>&gt;=4.2</td>
</tr>
<tr>
<td></td>
<td>ESXi 6.5 U3, 6.7U3, 7.0 U2a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;= 6.0 (STS)</td>
<td>AHV &gt;= 20201105.2076</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESXi 6.5 U3, 6.7U3, 7.0 U2a</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For platform M6

The recommended qualified software versions are as follow:

<table>
<thead>
<tr>
<th>AOS</th>
<th>Hypervisor Version</th>
<th>Foundation</th>
<th>NCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.20.1.1 (LTS)</td>
<td>AHV-20201105.2096</td>
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</tr>
<tr>
<td></td>
<td>ESXi 7.0 U2a</td>
<td>&gt;=5.1</td>
<td></td>
</tr>
<tr>
<td>6.1 (STS)</td>
<td>AHV-20201105.30142</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESXi 7.0 U2a</td>
<td></td>
<td>&gt;=4.3</td>
</tr>
</tbody>
</table>

Note: AOS 5.20.1.1, Foundation 5.1 are the minimum requirements for platform inMerge1000M6L, inMerge1000M6L-Core, inMerge1000M6G, inMerge1000M6G-Core.