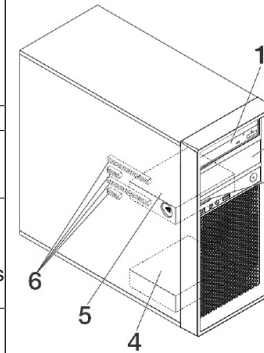


# ThinkStation P320 Tower Platform Specifications

Product Specifications Reference (PSREF)

| Components                     | Specification  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|--------------------------------|--|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------|-----------------------------|--------------|-----------------------------|--------------|---------------------------|--------------|---------------------------|--------------|-----------------------------|-------------|-----|-----|-----|----------|--------------|-----|-----|-----|----------|--------------|------|-----|-----|------|--------------|------|-----|------|------|
| Chipset                        | Intel C236 Chipset   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Intel AMT                      | Intel Active Management Technology 11 on Xeon models, Intel Standard Manageability on other models   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Processor                      | One Intel "Kaby Lake" or "Skylake" processor as listed:<br>"Kaby Lake"   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
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|                                | Xeon E3-1280 v6  | 4C/3.9GHz/8MB/72W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1275 v6  | 4C/3.8GHz/8MB/73W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1270 v6  | 4C/3.8GHz/8MB/72W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1245 v6  | 4C/3.7GHz/8MB/73W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1240 v6  | 4C/3.7GHz/8MB/72W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1230 v6  | 4C/3.5GHz/8MB/72W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1225 v6  | 4C/3.3GHz/8MB/73W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Xeon E3-1220 v6  | 4C/3GHz/8MB/72W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Core i7-7700K  | 4C/4.2GHz/8MB/91W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Core i7-7700   | 4C/3.6GHz/8MB/65W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Core i5-7600   | 4C/3.5GHz/6MB/65W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Core i5-7500   | 4C/3.4GHz/6MB/65W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Core i5-7400   | 4C/3GHz/6MB/65W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Core i3-7300   | 2C/4GHz/4MB/51W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Core i3-7100   | 2C/3.9GHz/3MB/51W/DDR4-2400  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                |  | "Skylake"  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
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|                                | Xeon E3-1245 v5  | 4C/3.5GHz/8MB/80W/DDR4-2133  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Xeon E3-1240 v5                | 4C/3.5GHz/8MB/80W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Xeon E3-1230 v5                | 4C/3.4GHz/8MB/80W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Xeon E3-1225 v5                | 4C/3.3GHz/8MB/80W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Xeon E3-1220 v5                | 4C/3GHz/8MB/80W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Core i7-6700                   | 4C/3.4GHz/8MB/65W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Core i5-6500                   | 4C/3.2GHz/6MB/65W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Core i5-6400                   | 4C/2.7GHz/6MB/65W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Core i3-6100                   | 2C/3.9GHz/3MB/51W/DDR4-2133  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Memory DIMM slots              | 4 DIMM slots, 2-channel (integrated memory controller in processor)  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Memory type/capacity           | Up to 64GB ECC/non-ECC (4 x 16GB), DDR4-2400. UDIMM. "Skylake" processor supports up to DDR4-2133. Core i7 and i5 processors cannot support ECC.   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Intel HD Graphics in processor | Integrated Intel HD P530 in Xeon E3-12x5 v5 processors, or Intel HD P630 in Xeon E3-12x5 v6 processors, or Intel HD 530 in Core i7, i5, or i3 6000 processors, or Intel HD 630 in Core i7, i5, or i3 7000 processors. Works along with discrete graphics to support multi-display, enables three display connectors (2 DP, 1 VGA) on rear.   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Discrete graphics              | Two PCI Express 3.0 x16 slots for graphics adapters. Up to two Quadro P1000 on 250 watts models. Or up to two Quadro P2000, or up to one Quadro P4000 on 400 watts models. Supports the following NVIDIA graphics adapters:  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | <table border="1"> <thead> <tr> <th>Adapter</th> <th>Cores</th> <th>Memory</th> <th>Power</th> <th>Connector</th> </tr> </thead> <tbody> <tr><td>NVS 310</td><td>48</td><td>1GB</td><td>19.5W</td><td>2xDP</td></tr> <tr><td>NVS 315</td><td>48</td><td>1GB</td><td>19.5W</td><td>2xDVI-I SL/2xDP</td></tr> <tr><td>NVS 510</td><td>192</td><td>2GB</td><td>33.4W</td><td>4xmini DP</td></tr> <tr><td>NVS 810</td><td>1024</td><td>4GB</td><td>68W</td><td>8xmini DP</td></tr> <tr><td>Quadro P400</td><td>256</td><td>2GB</td><td>30W</td><td>3xminiDP</td></tr> <tr><td>Quadro P600</td><td>384</td><td>2GB</td><td>40W</td><td>4xminiDP</td></tr> <tr><td>Quadro P1000</td><td>640</td><td>4GB</td><td>47W</td><td>4xminiDP</td></tr> <tr><td>Quadro P2000</td><td>1024</td><td>5GB</td><td>75W</td><td>4xDP</td></tr> <tr><td>Quadro P4000</td><td>1792</td><td>8GB</td><td>105W</td><td>4xDP</td></tr> </tbody> </table>  | Adapter  | Cores                       | Memory                      | Power                       | Connector                   | NVS 310                     | 48                          | 1GB                         | 19.5W                       | 2xDP                        | NVS 315                   | 48                          | 1GB                         | 19.5W                       | 2xDVI-I SL/2xDP             | NVS 510                   | 192                         | 2GB                         | 33.4W                       | 4xmini DP                   | NVS 810      | 1024                        | 4GB          | 68W                         | 8xmini DP    | Quadro P400               | 256          | 2GB                       | 30W          | 3xminiDP                    | Quadro P600 | 384 | 2GB | 40W | 4xminiDP | Quadro P1000 | 640 | 4GB | 47W | 4xminiDP | Quadro P2000 | 1024 | 5GB | 75W | 4xDP | Quadro P4000 | 1792 | 8GB | 105W | 4xDP |
|                                | Adapter  | Cores  | Memory                      | Power                       | Connector                   |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | NVS 310  | 48   | 1GB                         | 19.5W                       | 2xDP                        |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | NVS 315  | 48   | 1GB                         | 19.5W                       | 2xDVI-I SL/2xDP             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | NVS 510  | 192  | 2GB                         | 33.4W                       | 4xmini DP                   |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | NVS 810  | 1024   | 4GB                         | 68W                         | 8xmini DP                   |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | Quadro P400  | 256  | 2GB                         | 30W                         | 3xminiDP                    |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Quadro P600                    | 384  | 2GB  | 40W                         | 4xminiDP                    |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Quadro P1000                   | 640  | 4GB  | 47W                         | 4xminiDP                    |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Quadro P2000                   | 1024   | 5GB  | 75W                         | 4xDP                        |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Quadro P4000                   | 1792   | 8GB  | 105W                        | 4xDP                        |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Onboard drive controller       | Five onboard SATA 6.0Gb/s connectors for optical and disk drives plus one SATA connector for optional eSATA. RAID 0, 1, 5, 10 support  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Drive Bays                     | Two external 5.25" bays, two internal 3.5" bays (see right). Up to one 9mm optical plus 4 x 3.5" disk drive bays plus two M.2 NVMe SSD   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Supporting disk drives         | 3.5" SATA HDD (7.2K 6Gbs)  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | 2.5" SATA SSD (6Gbs)   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
|                                | M.2 NVMe SSD, via PCIe adapter   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Max internal storage           | 16TB (4 x 4TB 3.5" HDDs) plus 2TB (2 x 1TB) M.2 NVMe SSD   |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |
| Media reader                   | 9-in-1 card reader. Optional 29-in-1 card reader on selected models  |  |                             |                             |                             |                             |                             |                             |                             |                             |                             |                           |                             |                             |                             |                             |                           |                             |                             |                             |                             |              |                             |              |                             |              |                           |              |                           |              |                             |             |     |     |     |          |              |     |     |     |          |              |      |     |     |      |              |      |     |      |      |

| Components                   | Specification  |
|------------------------------|--|
| Power supply                 | One 250 watts with variable speed fan, autosensing, Climate Savers Computing Bronze, 80 PLUS Bronze qualified. Or one 400 watts with variable speed fan, autosensing, Climate Savers Computing Platinum, 80 PLUS Platinum qualified. |
| Onboard Ethernet             | One onboard gigabit ethernet, Intel I219LM, supports Wake-on-LAN   |
| HD Audio                     | Realtek ALC662 codec   |
| TPM                          | Standard, TCG 2.0-compliant  |
| Front ports                  | Two USB 3.0, microphone (3.5mm), headphone (3.5mm)   |
| Rear ports                   | 1 VGA and 2 DisplayPort (for Intel HD Graphics models only), two USB 2.0, four USB 3.0, one serial (9-pin), one ethernet (RJ-45), three analog audio ports (line-in, line-out, mic-in)   |
| Mechanical                   | <ul style="list-style-type: none"> <li>Raven black color; metal case</li> <li>6.89"W x 16.77"D x 14.8"H</li> <li>175mm W x 426mm D x 376mm H</li> <li>28.66 lb (13kg) max configuration</li> <li>25-liter</li> </ul>                 |
| Environmental certifications | GREENGUARD certified/RoHS-compliant/EPEAT Gold rating/ENERGY STAR 6.1 qualified  |
| Limited warranty             | 1 or 3-year limited onsite service with 9x5/NBD. Some parts are Customer Replaceable Units.  |
| ISV certifications           | Please visit <a href="http://www.thinkworkstations.com/isv-certifications/">www.thinkworkstations.com/isv-certifications/</a>  |



## Drive Bays and PCIe Slots

|                 |   |
|-----------------|---|
| Bay 1 and Bay 2 | 5.25", support one of the following:<br>HH optical/flex module/9mm optical+3.5" HDD bay/<br>3.5" HDD bay/Front Access Storage Enclosure (FASE)<br><i>Note:</i><br>1. Flex module supports one or more of the following: 9mm optical/<br>29-in-1 reader/front IEEE 1394/front eSATA.<br>2. Up to one flex module/FASE per system.  |
| Bay 3           | Optional 9-in-1 single slot reader  |
| Bay 4           | Standard 3.5" HDD bay   |
| Bay 5           | Standard 3.5" HDD bay   |
| 6 -Slots        | Four PCIe slots (top-down):<br>Slot 1: Half length, full height, PCIe 3.0 x16 (near CPU)<br>Slot 2: Half length, full height, PCIe 3.0 x16<br>Slot 3: Half length, full height, PCIe 3.0 x16 (x4 elec)<br>Slot 4: Half length, full height, PCIe 3.0 x1<br><i>Note:</i><br>1. Both discrete graphics adapter and M.2 NVMe SSD should be installed on slot 1 or slot 3, the maximum quantity of discrete graphics adapter and M.2 NVMe SSD is 2.<br>2. When two discrete graphics adapters are used, no other PCIe card can be used. |