



# Supermicro GRID VDI Reference Architectures

|                | GOOD<br>Lowest cost per user   |  | BETTER<br>Universal GPU high utilization   |  | BEST<br>Highest density w/ universal GPU  |   |
|----------------|--|--|--|--|---|---|
| Server         | <a href="#"><u>SYS-1029GQ-TRT</u></a>  |  | <a href="#"><u>SYS-2029U-E1CRT</u></a>   |  | <a href="#"><u>SYS-2029GP-TR</u></a>  |   |
| Support User   | 64 CCU   |  | 64 CCU   | 64 CCU   | 64 CCU  | 96 CCU  |
| NVIDIA GRID SW | 64 x GRID vPC<br><br>SMC PN :<br>3yr Subscription: SFT-NVD-G2P3S<br>5yr Subscription: SFT-NVD-G2P5S  |  | 64 x GRID vPC<br><br>SMC PN :<br>3yr Subscription: SFT-NVD-G2P3S<br>5yr Subscription: SFT-NVD-G2P5S  | 64 x GRID vPC<br><br>SMC PN :<br>3yr Subscription: SFT-NVD-G2P3S<br>5yr Subscription: SFT-NVD-G2P5S  | 64 x GRID vPC<br><br>SMC PN :<br>3yr Subscription: SFT-NVD-G2P3S<br>5yr Subscription: SFT-NVD-G2P5S                                     | 96 x GRID vPC<br><br>SMC PN :<br>3yr Subscription: SFT-NVD-G2P3S<br>5yr Subscription: SFT-NVD-G2P5S                                     |
| NVIDIA GPU     | 2 x NVIDIA M10<br><br>SMC PN : GPU-NVTM10  |  | 2 x NVIDIA M10<br><br>SMC PN : GPU-NVTM10  | 4 x NVIDIA T4<br><br>SMC PN: GPU-NVTT4   | 4 x NVIDIA T4<br><br>SMC PN : GPU-NVTT4   | 6 x NVIDIA T4<br><br>SMC PN: GPU-NVTT4  |
| CPU            | 2 x Intel Xeon Gold 6148<br>(20c, 2.4 GHz)   |  | 2 x Intel Xeon Gold 6148<br>(20c, 2.4 GHz)   | 2 x Intel Xeon Gold 6148<br>(20c, 2.4 GHz)   | 2 x Intel Xeon Gold 6148<br>(20c, 2.4 GHz)  | 2 x Intel Xeon Gold 6148<br>(20c, 2.4 GHz)  |
| System Memory  | <ul style="list-style-type: none"> <li>Recommend 384 GB</li> <li>12x DIMM slots, up to 1.5TB 3DS ECC LRDIMM, Up to DDR4-2666</li> </ul>                  |  | <ul style="list-style-type: none"> <li>Recommend 384 GB</li> <li>Support up to 24x DIMM slots Up to 3TB ECC RDIMM/LRDIMM, Up to DDR4-2666</li> </ul>   | <ul style="list-style-type: none"> <li>Recommend 384 GB</li> <li>Support up to 24x DIMM slots Up to 3TB ECC RDIMM/LRDIMM, Up to DDR4-666</li> </ul>  | <ul style="list-style-type: none"> <li>Recommend 384 GB</li> <li>16x DIMM slots, up to 2TB 3DS ECC LRDIMM, Up to DDR4-2666</li> </ul>   | <ul style="list-style-type: none"> <li>Recommend 512 GB</li> <li>16x DIMM slots, up to 2TB 3DS ECC LRDIMM, Up to DDR4-2666</li> </ul>   |
| Local Storage  | <ul style="list-style-type: none"> <li>2 hot-swap 2.5" SATA/SAS drive bays</li> <li>2 fixed internal 2.5" drive bays</li> <li>1 M.2 SATA/NVMe</li> </ul> |  | <ul style="list-style-type: none"> <li>Support up to 24 SATA/SAS ports via SAS Expander               <ul style="list-style-type: none"> <li>Optional 4 NVMe ports</li> <li>Optional 2 rear hot-swap 2.5" drive bay kit</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>Support up to 24 SATA/SAS ports via SAS Expander               <ul style="list-style-type: none"> <li>Optional 4 NVMe ports</li> <li>Optional 2 rear hot-swap 2.5" drive bay kit</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li>8 hot-swap 2.5" SATA/SAS drive bays</li> <li>2 hot-swap 2.5" SATA/SAS/NVMe drive bays</li> </ul> | <ul style="list-style-type: none"> <li>8 hot-swap 2.5" SATA/SAS drive bays</li> <li>2 hot-swap 2.5" SATA/SAS/NVMe drive bays</li> </ul> |
| Network        | <ul style="list-style-type: none"> <li>2 x 10 GbE</li> <li>Optional 4x AOC NIC</li> </ul>  |  | <ul style="list-style-type: none"> <li>2 x 10 GbE</li> <li>Optional 4 x AOC NIC</li> </ul>   | <ul style="list-style-type: none"> <li>2 x 10 GbE</li> <li>Optional 1 x AOC NIC</li> </ul>   | <ul style="list-style-type: none"> <li>1x SIOM and 3x AOC NIC</li> </ul>  | <ul style="list-style-type: none"> <li>1x SIOM and 1x AOC NIC</li> </ul>  |
| Power Supply   | Redundant 2000W Titanium Level digital power supplies  |  | Redundant 1000W Titanium Level digital power supplies  | Redundant 1000W Titanium Level digital power supplies  | Redundant 2000W Titanium Level digital power supplies   | Redundant 2000W Titanium Level digital power supplies   |