

## N49xx / N77xx / N88xx / N89xx / N12xxx / N16xxx / W Series/ Top Tower Series Extra NIC and 10G Switch Compatibility List

| Intel 1Gb              |                          |  |            |            |   |            |            |  |                            |   |        |        |     |                  |
|------------------------|--------------------------|--|------------|------------|---|------------|------------|--|----------------------------|---|--------|--------|-----|------------------|
| Series                 | Model                    | N7700PRO/N7700Plus<br>N8800PRO/N8800Plus | N7700PROv2 | N8800PROv2 | N8900(V)/PRO/<br>N12000(V)/PRO/<br>W8900/W12000<br>N12850/W12850<br>N12910/W12910 | N12000     | N16000     | N4910U/<br>N16000PRO/<br>N16000V/<br>W16000/<br>N8910/<br>N16850/W16850<br>N16910/W16910 | N6850/<br>N8850/<br>N10850 | N7710/N7710-G/<br>N7770-10G<br>N8810U/N8810U-G<br>N8880-10G | Socket | Port   | P/N | Recently Updated |
| Gigabit Server Adapter | PRO/1000 PT              | Compatible                               |            |            |   |            |            |  |                            |   | RJ45   | Single | -   | OK 2011/04/12    |
| Gigabit Server Adapter | PRO/1000 PT Dual Port    | Compatible                               | Compatible | Compatible | Compatible  |            |            | Compatible   | Compatible(* 5)            |   | RJ45   | Dual   | -   | OK 2014/03/28    |
| Gigabit Server Adapter | PRO/1000 PT Quad Port    | Compatible                               | Compatible | Compatible | Compatible  |            | Compatible | Compatible   | Compatible                 |   | RJ45   | Quad   | -   | OK 2013/07/22    |
| Gigabit Server Adapter | PRO/1000 PT Quad Port LP | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 |   | RJ45   | Quad   | -   | OK 2012/02/03    |
| Gigabit Server Adapter | Gigabit EF Dual Port     | Compatible                               |            |            |   |            |            |  |                            |   | SFP    | Dual   | -   | OK 2011/04/12    |
| Gigabit Server Adapter | Gigabit ET Quad Port     | Compatible                               |            |            |   |            |            |  |                            |   | RJ45   | Quad   | -   | OK 2011/04/12    |

| Emulex 10Gb                 |                  |  |            |            |   |            |            |  |                            |   |        |      |     |                  |
|-----------------------------|------------------|--|------------|------------|---|------------|------------|--|----------------------------|---|--------|------|-----|------------------|
| Series                      | Model            | N7700PRO/N7700Plus<br>N8800PRO/N8800Plus | N7700PROv2 | N8800PROv2 | N8900(V)/PRO/<br>N12000(V)/PRO/<br>W8900/W12000<br>N12850/W12850<br>N12910/W12910 | N12000     | N16000     | N4910U/<br>N16000PRO/<br>N16000V/<br>W16000/<br>N8910/<br>N16850/W16850<br>N16910/W16910 | N6850/<br>N8850/<br>N10850 | N7710/N7710-G/<br>N7770-10G<br>N8810U/N8810U-G<br>N8880-10G | Socket | Port | P/N | Recently Updated |
| OneConnect Network Adapters | Oce11012-NX (*7) |  |            |            | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+   | Dual | -   | OK 2014/01/28    |
| OneConnect Network Adapters | Oce11102-NX      |  |            |            | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+   | Dual | -   | OK 2014/01/28    |

| Intel 10Gb                    |                              |  |            |            |   |            |            |  |                            |   |               |        |            |                  |
|-------------------------------|------------------------------|--|------------|------------|---|------------|------------|--|----------------------------|---|---------------|--------|------------|------------------|
| Series                        | Model                        | N7700PRO/N7700Plus<br>N8800PRO/N8800Plus | N7700PROv2 | N8800PROv2 | N8900(V)/PRO/<br>N12000(V)/PRO/<br>W8900/W12000<br>N12850/W12850<br>N12910/W12910 | N12000     | N16000     | N4910U/<br>N16000PRO/<br>N16000V/<br>W16000/<br>N8910/<br>N16850/W16850<br>N16910/W16910 | N6850/<br>N8850/<br>N10850 | N7710/N7710-G/<br>N7770-10G<br>N8810U/N8810U-G<br>N8880-10G | Socket        | Port   | P/N        | Recently Updated |
| Ethernet Server Adapter X520  | X520-T2                      |  |            |            | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | RJ45          | Dual   | E10G42BT   | OK 2014/01/28    |
| Ethernet Server Adapter X520  | X520-SR1                     | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | GBIC included | Single | E10G41BF5R | OK 2010/06/24    |
| Ethernet Server Adapter X520  | X520-SR2                     | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | GBIC included | Dual   | E10G42BF5R | OK 2010/06/24    |
| Ethernet Server Adapter X520  | X520-DA2 (*1)                | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+          | Dual   | E10G42BTDA | OK 2014/07/11    |
| CX4 Server Adapter            | CX4                          | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | CX4           | Dual   | -          | OK 2014/01/28    |
| Ethernet Server Adapter X540  | X540-T2 (2 port low profile) | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | RJ45          | Dual   | -          | OK 2014/01/28    |
| Ethernet Server Adapter X540  | Caswell NIC-53020 (low pro.) | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | RJ45          | Dual   | -          | OK 2016/04/18    |
| Ethernet Server Adapter X540  | Caswell NIC-53040 (full h.)  | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | RJ45          | Quad   | -          | OK 2016/04/18    |
| Ethernet Server Adapter XL710 | Caswell NIC-54040 (full h.)  | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+          | Quad   | -          | OK 2016/04/18    |
| Ethernet Server Adapter X520  | Caswell NIC-54020            | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+          | Dual   | -          | OK 2017/02/06    |

| ATTO 10Gb      |               |  |            |            |   |            |            |  |                            |   |        |      |     |                  |
|----------------|---------------|--|------------|------------|---|------------|------------|--|----------------------------|---|--------|------|-----|------------------|
| Series         | Model         | N7700PRO/N7700Plus<br>N8800PRO/N8800Plus | N7700PROv2 | N8800PROv2 | N8900(V)/PRO/<br>N12000(V)/PRO/<br>W8900/W12000<br>N12850/W12850<br>N12910/W12910 | N12000     | N16000     | N4910U/<br>N16000PRO/<br>N16000V/<br>W16000/<br>N8910/<br>N16850/W16850<br>N16910/W16910 | N6850/<br>N8850/<br>N10850 | N7710/N7710-G/<br>N7770-10G<br>N8810U/N8810U-G<br>N8880-10G | Socket | Port | P/N | Recently Updated |
| FastFrame CS12 | FFRM-CS12-000 | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+   | Dual | -   | OK 2013/09/16    |
| FastFrame NS12 | FFRM-NS12-000 | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+   | Dual | -   | OK 2013/10/22    |

| Thecus 10Gb                  |           |  |            |            |   |            |            |  |                            |   |                |        |     |                  |
|------------------------------|-----------|--|------------|------------|---|------------|------------|--|----------------------------|---|----------------|--------|-----|------------------|
| Series                       | Model     | N7700PRO/N7700Plus<br>N8800PRO/N8800Plus | N7700PROv2 | N8800PROv2 | N8900(V)/PRO/<br>N12000(V)/PRO/<br>W8900(*8)/<br>W12000(*8)<br>N12850/W12850<br>N12910/W12910 | N12000     | N16000     | N4910U/<br>N16000PRO/<br>N16000V/<br>W16000(*8)/<br>N8910/<br>N16850/W16850<br>N16910/W16910 | N6850/<br>N8850/<br>N10850 | N7710/N7710-G/<br>N7770-10G<br>N8810U/N8810U-G<br>N8880-10G | Socket         | Port   | P/N | Recently Updated |
| C10GT NIC (Tehuti)           | C10GT     | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | CX4, SFP+ each | Dual   | -   | OK 2014/01/28    |
| C10GT NIC (Tehuti)           | C10GTR    | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | RJ45           | Single | -   | OK 2014/03/05    |
| Ethernet Server Adapter X520 | C10G599F2 | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | SFP+           | Dual   | -   | OK 2017/02/06    |
| Ethernet Server Adapter X540 | C10G540T2 | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | RJ45           | Dual   | -   | OK 2017/02/06    |

| 10G Switch     |                |  |            |            |   |            |            |  |                            |   |                      |            |      |                  |
|----------------|----------------|--|------------|------------|---|------------|------------|--|----------------------------|---|----------------------|------------|------|------------------|
| Brand*9        | Model          | N7700PRO/N7700Plus<br>N8800PRO/N8800Plus | N7700PROv2 | N8800PROv2 | N8900(V)/PRO/<br>N12000(V)/PRO/<br>W8900/W12000<br>N12850/W12850<br>N12910/W12910 | N12000     | N16000     | N4910U/<br>N16000PRO/<br>N16000V/<br>W16000/<br>N8910/<br>N16850/W16850<br>N16910/W16910 | N6850/<br>N8850/<br>N10850 | N7710/N7710-G/<br>N7770-10G<br>N8810U/N8810U-G<br>N8880-10G | Socket               | Port       | P/N  | Recently Updated |
| Allied Telesis | AT-X510-28GTx  | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | 1/45 /1GFSF / 10GSFI | 24 / 0 / 4 | LINK | OK 2014/04/01    |
| Dlink          | DGS-3420-28TC  | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | 1/45 /1GFSF / 10GSFI | 20 / 4 / 4 | LINK | OK 2014/04/01    |
| Netgear        | PROSAFE X5712T | Compatible                               | Compatible | Compatible | Compatible  | Compatible | Compatible | Compatible   | Compatible                 | Compatible  | 0G RJ45 / 10G BASE-  | 12 / 2     | LINK | OK 2014/04/01    |

Note 1. X520-DA2 needs Intel SFP+ SR Fiber Optical module (Intel P/N: E10GSF5R). Reference URL: <http://www.intel.com/support/network/adapter/pro100/sb/CS-030160.htm>

Note 2. We recommend users purchase Thecus's proprietary 10GbE NIC to avoid compatibility issue. Please refer to the "Where To Buy" page on our website - <http://www.thecus.com/wtb.php>

Note 3. The following are Thecus 10GbE connectors:

- 3a. The SFP+ Copper cable and the CX4 Copper cable connect directly to the 10GbE NIC.
- 3b. The 10G SFP+ GBIC optical connector does not come with a fiber-optic cable.

Note 4. Steps for updating BIOS of N8900/N8900V/N12000V/N12000PRO/N16000V/N16000PRO

1. Eject all HDD, open top cover to remove SATA5 DOM
2. We need to prepare USB drive as a free DOS bootable disk from: <http://rufus.akeo.ie/> or [https://github.com/downloads/pbatard/rufus/rufus\\_v1.1.7f.exe](https://github.com/downloads/pbatard/rufus/rufus_v1.1.7f.exe)
3. Copy BIOS file.zip and unzip into USB driver: <http://www.thecus.com/Downloads/BIOS/N89T3806.zip>
4. Plug USB driver into N8900/N8900V/N12000V/N16000V back panel USB2.0 port, and USB keyboard, VGA or HDMI to monitor.
5. Power up N8900/N8900V/N12000V/N16000V & press F2 into BIOS.
6. Configure BIOS boot menu booting from USB driver.
7. Boot from DOS, change to folder "N89\_D6" (cd n89\_06) and type "n89\_06.bat" for BIOS update.

Note 5. As Extra NIC is installed to the device, original networking interface will be shifted, move to **Additional LAN** position.

Note 6. Suggest not to install ATTO 10Gb cards with other network cards.

Note 7. Emulex OCE11012-NX **does not** recommend to work with D16000/NAS beta BIOS T40

Note 8. Windows driver have no driver signature, thus need disable Windows/driver signing before install driver. Or visit <http://goo.gl/9NuzgX>

Note 9. Thanks above 10G switch supplier arrange sample for compatibility testing.