



Lanner Network NIC Module – Slim Type
Quick Installation Guide

Rev 1.0

September 10th, 2015

For Internal Evaluation

Revision History

Rev	Date	Descriptions
1.0	September 10, 2015	Official release

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About This Manual

The purpose of this document is to provide installation instructions for Lanner Ethernet NIC modules. The contents of this manual are intended for individuals with some levels of engineering knowledge and background.

This manual covers instructions all current types of Lanner's slide-rail kits and is subject to change without notice.

Precautions:

- Shut down the system before conducting the installation.
- Be sure you have proper ESD protections such as ESD gloves or grounding straps before handling the system.
- The installation procedures in this document shall be conducted by technically trained or qualified individuals.
- Do NOT reach into a vacant module slot to avoid electrical shock.

Installing Network NIC Modules

Lanner offers a wide variety of network NIC modules empowered by Intel® Ethernet controllers to enhance performance and bandwidth for network appliances. To meet various demands of today's networking environments, Lanner has over 20 different modules including slim and wide, copper, fiber, bypass, and with network speeds ranging from GbE, 10GbE to 40GbE network connectivity.

The following will provide a general installation procedure of Lanner network modules in slim type. Please be noted that the module and the network appliance are for reference only.

1. Hold and rotate to loosen the captive screws on the bezel of the module space to be installed.



2. Remove the bezel of the module space and save it.



3. Position the module as shown in the image below. The PCIe gold fingers face into the module space.

4. Slide your Ethernet NIC module into the space, until it is firmly seated to the end of the space.

Attention: Make sure NO Ethernet cables are connected to the module during installation.



5. When sliding the module into the slot, make sure the module properly stays in the guides of the expansion space.



6. Rotate the captive screws until they are both secured and locked. It is strongly recommended to apply screw driver to tighten the captive screws totally.



Lanner NIC Modules

Slim Module Types	Number of LAN ports	Chipset	Bypass
GbE Copper Modules			
NCS2-IGM427A	4	Intel® Cave Creek	2 pairs of Gen3
NCS2-IGM427B	4	Intel® Cave Creek	N/A
NCS2-IGM806A	8	2 x Intel® i350-AM4	4 pairs of Gen3
NCS2-IGM806B	8	2 x Intel® i350-AM4	N/A
NCS2-IGM808A	8	Intel® i210AT	4 pairs of Gen3
NCS2-IGM808B	8	Intel® i210AT	N/A
GbE Fiber Modules			
NCS2-ISM405A	4	1 x Intel® i350-AM4	2 pairs of Gen3
NCS2-ISM406A	4	1 x Intel® i350-AM4	N/A
NCS2-ISM802A	8	2 x Intel® i350-AM4	N/A
10GbE Copper Modules			
NCS2-ITM202A	2	Intel® X540	N/A
NCS2-ITM203A	2	Intel® X540	1 pair of Gen3
NCS2-ITM203B	2	Intel® X540	N/A
10GbE Fiber Modules			
NCS2-IXM204A	2	Intel® 82599ES	N/A
NCS2-IXM205A	2	Intel® 82599ES	1 pair of Gen3
NCS2-IXM405A	4	Intel® 82599ES	N/A
NCS2-IXM407	4	Intel® XL710-AM1	N/A
10GbE Copper/Fiber Hybrid Modules			
NCS2-IMM401	4	1 x Intel® i350-AM4	N/A
NCS2-IMM802	8	2 x Intel® i350-AM4	N/A
40GbE Fiber Modules			
NCS2-IQM201	2	Intel® XL710-AM2	N/A

Notes: For more details about LAN bypass, please download the manual from our official website.