

Lanner NCM Modules

Lanner's unique NCM modules are compatible with many of our FW-8700 and FW-8800 series network appliances. The inter-changable design allows end-users to switch modules as the need arises.

Models vary in port density, port form factor, bandwidth, Intel chipset and bypass functionality.



An 8 RJ-45 port NCM Module board



A 4 fiber port NCM Module board



A 2 RJ-45 port 10 Gigabit NCM Module

Bypass

Bypass ports allow uninterrupted network traffic even if a single in-line appliance is shut down or hangs. Lanner's R&D have developed the basic bypass functionality further to provide higher reliability and greater control.

Lanner Generation 2 Bypass (G2)

From G2, bypass pairs can be dynamically controlled during system run-time and remote control is enabled. There is no longer a hardware jumper required.

Lanner Generation 3 Bypass (G3)

In addition to what G2 offers, G3 includes multiple watchdogs, and the ability to enable bypass during power-on and disable bypass during power-off, so completely lossless network communications is achieved. G3 is also independent of the Intel architecture platform of the host system. For more information on Lanner's advanced bypass technology, please see our whitepaper 'The Evolution of LAN Bypass Technology: Lanner's Generation One to Generation Three Bypass.'

FCM Ethernet Modules

For FW-8700 and FW-8800 Series

Model	Ports	Chipset	Bypass*	FW-8892	FW-8875	FW-8860	FW-8760	FW-8755	FW-8865
Gigabit RJ-45 Modules									
NCM-IGM201A	2	PLX PEX8508 Intel 82574L	1 Pair G2	V	V	V	V	V	V
NCM-IGM202A	2	Intel 82571EB	1 Pair G2	V	V	V	V	V	V
NCM-IGM401A	4	PLX PEX8508 Intel 82574L	2 Pairs G2	V	V	V	V	V	V
NCM-IGM401B	4	PLX PEX8508 Intel 82574L	N/A	V	V	V	V	V	V
NCM-IGM402A	4	Intel 82571EB	2 Pairs G2	V	V				
NCM-IGM402B	4	Intel 82571EB	N/A	V	V				
NCM-IGM403A	4	Intel 82576EB IDT89HPE16T4	2 Pairs G2	V	V	V	V	V	V
NCM-IGM404A	4	Intel 82576EB	2 Pairs G2	V	V				
NCM-IGM404B	4	Intel 82576EB	N/A	V	V				
NCM-IGM425A	4	Intel 82580DB	2 Pairs G3	V	V				
NCM-IGM425B	4	Intel 82580DB	N/A	V	V				
NCM-IGM425C	4	I350	2 Pairs G3	V	V				
NCM-IGM425D	4	I350	N/A	V	V				
NCM-IGM801A	8	PLX PEX8618 Intel 82574L	2 Pairs G2	V	V	V	V	V	V
NCM-IGM802A	8	PLX PEX8624 Intel 82576EB	2 Pairs G2	V	V	V	V	V	V
NCM-IGM804A	8	Intel 82580EB	4 Pairs G3	V	V				
Gigabit SFP Modules									
NCM-ISM201A	2	Intel 82571EB	N/A	V	V	V	V	V	V
NCM-ISM202A	2	Intel 82576EB	1 Pairs G2	V	V	V	V	V	
NCM-ISM401A	4	PLX PEX8616 Intel 82571EB	N/A	V	V	V	V	V	V
NCM-ISM402A	4	Intel 82571EB	N/A	V	V				
NCM-ISM403A	4	Intel 82576EB	N/A	V	V				
NCM-ISM404A	4	Intel 82580DB	N/A		V				
NCM-ISM801A	8	Intel 82576EB IDT89HPE24T6	N/A	V	V	V	V	V	V
10G RJ45 Modules									
NCM-ITM201A	2	Intel 82599ES	N/A	V	V		V		V
10G SFP+ Modules									
NCM-IXM202A	2	Intel 82599ES	1 Pair G2	V	V		V		V
NCM-IXM203A	2	Intel 82599ES	N/A	V	V	V			V
NCM-IXM401A	4	Intel 82599ES	N/A	V	V				

*See page 8 for a description of G2 and G3 bypass differences.