Network Mezzanine Cards (NMCs)

Introduction

NMCs are cost-optimized, high density IO modules for use in Advantech's Network Application Platforms. A wide choice of GbE, 10GE and 40GE modules supporting copper and fiber interfaces with or without advanced LAN bypass gives our customers the flexibility to match varying deployment scenarios. Complementing a full range of network appliances supporting 1 to 8 NMC bays, these IO modules provide the scalability required to meet target price/performance ratios in even the most demanding use cases. At the same time, NMCs reduce the total cost of ownership and service cost via re-usability across the product range and multiple product generations. The option of factory and field installation enables upselling opportunities and "pay as you grow" concepts.

Leveraging best-in-class Intel® Ethernet controller technology, NMCs provide a "it just works" user experience and a maximum of software compatibility.

Recommended NMCs

No.	Product Name	Ethernet Controller	I/O	Interface	Bypass	Compatible with the Following Platforms
1	NMC-0107-10E	Intel I350-AM4 x1	4 GbE LAN	RJ-45	2 pair legacy LAN bypass	
2	NMC-0108-10E	Intel I350-AM4 x1	4 GbE LAN	SFP	NA	
3	NMC-0120-000110E	Intel I350-AM4 x1	4 GbE LAN	LC (SX)	2 pair advanced LAN bypass	
4	NMC-0120-000111E	Intel I350-AM4 x1	4 GbE LAN	LC (LX)	2 pair advanced LAN bypass	
5	NMC-0121-000010E	Intel I350-AM4 x1	4 GbE LAN	RJ-45	NA	
6	NMC-0121-000110E	Intel I350-AM4 x1	4 GbE LAN	RJ-45	2 pair advanced LAN bypass	
7	NMC-0803-10E	Intel I350-AM4 x2	8 GbE LAN	RJ-45	4 pair legacy LAN bypass	
8	NMC-0806-000010E	Intel I350-AM4 x2	8 GbE LAN	RJ-45	NA	FWA-6510, FWA-6520, FWA-3230, FWA-3231, FWA-3260, FWA-3270, FWA-5020
9	NMC-0806-000110E	Intel I350-AM4 x2	8 GbE LAN	RJ-45	4 pair advanced LAN bypass	
10	NMC-1004-10E	Intel 82599ES x1	2 10GE LAN	SFP+	NA	
11	NMC-1008-000110E	Intel 82599ES x1	2 10GE LAN	LC (SR)	1 pair advanced LAN bypass	
12	NMC-1008-000111E	Intel 82599ES x1	2 10GE LAN	LC (LR)	1 pair advanced LAN bypass	
13	NMC-4001-10E	Intel 82599ES x2	4 10GE LAN	SFP+	NA	
14	NMC-4005-000010E	Intel XL710 x1	4 10GE LAN	SFP+	NA	
15	NMC-4007-000110E	Intel XL710 x1	4 10GE LAN	LC (SR)	2 pair advanced LAN bypass	
16	NMC-4007-000111E	Intel XL710 x1	4 10GE LAN	LC (LR)	2 pair advanced LAN bypass	
17	NMC-4006-000010E	Intel XL710 x1	2 40GE LAN	QSFP+	NA	

For a full list of available NMCs including modules supporting legacy platforms, please contact your Advantech representative.

NMC-0107
NMC-0121

NMC-0108
NMC-4001
NMC-4005

NMC-0803
NMC-0806

NMC-1004

NMC-4006

NMC-1008

NMC-0120

NMC-4007