

NAI BOARD & MODULE SUMMARY

Platform/Part Numbers	Board Options				Processors	Analog										Digital										Communications										Motion Control / Measurement																					
	On-board Single Gigabit Ethernet	On-board DUAL Gigabit Ethernet	Bus Master Support	Conduction-cooled availability	# of available function module slots	SBC (AD Blackfin® BF533)	SBC (Freescale™ Power PC MPC8536)	SBC (Freescale Quad Core QorIQ P2041)	Flash Data Storage 256GB	A/D, 10 Channel	A/D, 1 MHz, isolated, 6 Channel Prelim.	Thermocouple, 6 Channel	Strain Gage, 4 Channel	RTD 3/4 wire, 6 Channel	AD 6 Ch. (40 VDC) & 4 Channel A/D (4-25 mA)	A/D (4 MUX), discrete 28 Channel (1/2 module)	DAC, 10 Channel	DAC, 1 MHz, isolated, 6 Channel Prelim.	DAC, high voltage, 4 Channel	DAC, high current 4 Channel	Discrete I/O, 16 Channel	Discrete I/O, 48 Channel	Discrete I/O, 16 Channel Isolated, 12 via rear	TTL I/O, 16 Channel	TTL I/O, 48 Channel	Differential transceiver, 11 Ch.	Switch, 4 Channel, isolated, 3.0A at 100 V	Relay, 4 Channel, 2A	USB to Ethernet	Gig-E Switch, 12-port unmanaged, layer 2+	1553A/B, dual, "C" size	1553A/B, dual, "A" size (N6=Direct coupled)	RS232/422/485, 4 Channel (A size)	RS422/423/485 2 Ch. & 14 Discretes (1/2 module)	RS232/422/485, 4 Channel (C size)	RS232/422/485, 6 Channel	RS422/485, 4 Channel Isolated	RS422/485, 2 Channel & ASK, +18 Discretes	CANbus (P6=CAN 2.0A/B, PA=J1939)	ARINC 429 / 575	S/D, 4 Channel 16-bit resolution, .0017° accuracy	S/D, 2 Channel High accuracy S/D	LVDI-to-digital, 4 Channel	D/S, High-power (1.25VA+)	D/S high power, 3 VA, 1 Channel	D/LVDT, High-power (1.25VA+)	D/S 3 Channel Low-power	D/LVDT, 3 Channel Low-power (0.1VA)	Encoder / Counter / Commutation	AC Ref., Onboard 5.0 VA (1/2 module)	AC Ref., 6.0 VA, Single/Dual, Phase shift	Motor Control, 3-axis	Power Supply ±15VDC 450 mA; V1 = 1 Ch. V2 = 2 Ch				
OpenVPX																																																									
67C3 (6U)	✓	✓	✓	✓	6	✓			✓	✓	✓	✓	✓	✓	✓	✓							✓	✓		✓	✓	✓	✓	✓		✓	✓							✓	✓	✓	✓	✓	✓	✓	✓	✓									
68C3 (3U)	✓		✓	✓	2½			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓		✓	✓																								
VME - 6U																																																									
64C2	✓			✓	6½			✓	✓	✓	✓	✓	✓	✓	✓								✓	✓		✓	✓	✓	✓	✓		✓	✓																								
64C3	✓	✓	✓	✓	6½			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓																								
64CS4	✓			✓	5½			✓	✓	✓	✓	✓	✓	✓	✓																																										
64D3		✓	✓	✓	3			✓	✓	✓	✓	✓	✓	✓	✓							✓	✓		✓	✓	✓	✓	✓																												
64DP3		✓	✓	✓	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓		✓	✓	✓	✓	✓																												
64E3		✓	✓	✓	5			✓	✓	✓	✓	✓	✓	✓	✓							✓	✓		✓	✓	✓	✓	✓																												
64EP3		✓	✓	✓	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							✓	✓		✓	✓	✓	✓	✓																												
cPCI - 6U																																																									
78C2	✓			✓	6			✓	✓	✓	✓	✓	✓	✓	✓																																										
78CS2	✓			✓	5			✓	✓	✓	✓	✓	✓	✓	✓																																										
cPCI - 3U																																																									
75C3	✓			✓	2½			✓	✓	✓	✓	✓	✓	✓	✓																																										
75C4	✓			✓	2½			✓	✓	✓	✓	✓	✓	✓	✓																																										
75C5	✓			✓	2½			✓	✓	✓	✓	✓	✓	✓	✓																																										
75D3		✓		✓	1			✓	✓	✓	✓	✓	✓	✓	✓																																										
75D4		✓		✓	1			✓	✓	✓	✓	✓	✓	✓	✓																																										
75DS2				✓	2			✓	✓	✓	✓	✓	✓	✓	✓																																										
75DP3		✓	✓	✓	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																										
75SBC4		✓	✓	✓	2			✓	✓	✓	✓	✓	✓	✓	✓																																										
PCI / PCIe																																																									
76C2 (PCI ½)					3			✓	✓	✓	✓	✓	✓	✓	✓																																										
76CS3 (PCI)					5½			✓	✓	✓	✓	✓	✓	✓	✓																																										
79C3 (PCIe ½)					3			✓	✓	✓	✓	✓	✓	✓	✓																																										
PC-104																																																									
73DS2	3 Ch. 1.2 VA D/S & 8 Ch. TTL I/O with optional on-board reference																																																								
73LD4	3 Ch. LVDT/RVDT & 16 Ch. TTL I/O with optional on-board reference																																																								
73SD4	6 Ch. S/D & 16 Ch. TTL I/O with optional on-board reference																																																								
PMC																																																									
74SD2/3	8 Ch. S/D (conduction-cooled design 74SD3 is available).																																																								
74SD4	4 Ch. S/D, AC ref. & 16 Ch. TTL, (conduction-cooled design)																																																								

If you need further assistance, please contact Tech Support at: 631-867-1100 or visit www.nai.com/contact In Development Planned Development Planned * Multiple P/N Configurations

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