

DM9102A to DM9102D/H migration application note

Before all, DM9102D/H is suggested to be used on the embedded system only. Please, do not use DM9102D/H on PC. DM9102D/H have different driving current on PCI bus, this may result in problems when users use it to work with other PCI cards.

1. Hardware pin different

Pin Number	Pin Name		
	DM9102A	DM9102D	DM9102H
37	DGND	TEST1	TEST1
73	MA0	NC	NC
74	MA1	NC	NC
75	TEST1	IDSEL2	IDSEL2
77	MA2	NC	NC
78	MA3/EEDO	EEDO	EEDO
79	MA4/EECK	EECK	EECK
80	MA5	NC	NC
81	MA6	NC	NC
83	MA7	GNT2#	GNT2#
84	MA8	REQ2#	REQ2#
85	MA9	NC	NC
91	MA14	NC	NC
92	MA15	NC	NC
93	MA16	NC	NC
94	MA17	WOL	WOL
95	WOL	VCTRL25	VCTRL18
96	DVDD	AVDD	AVDD

The main difference between DM9102D and DM9102H is the AVDD. DM9102H requires 1.8V while DM9102D uses 2.5V.

3. Register difference

Description	Address offset	DM9102A	DM9102D	DM9102H
Revision	08H	02000040H	02000051H	02000060H

4. Driver

When migrate from DM9102A to DM9102D or H, there is no driver update needed.