

3.10.26.7 Bus Arbitration

DRQ [0:3], DRQ [5:7]	These signals are active high signals driven by a DMA bus adapter to indicate a request for a DMA bus operation. DRQ [0:3] request 8 bit DMA operations, while DRQ [5:7] request 16 bit operations. All bus DMA adapters will drive these lines with a tri-state driver. The permanent master monitors these signals to determine which of the DMA devices, if any, are requesting the bus.
DACK [0:3]#, DACK [5:7]#	These signals are active low signals driven by the permanent master to indicate that a DMA operation can begin. They are continuously driven by a totem pole driver for DMA channels attached.
AEN	This signal is an active high totem pole signal driven by the permanent master to indicate that the address lines are driven by the DMA controller. The assertion of AEN disables response to I/O port addresses when I/O command strobes are asserted. AEN being asserted, only the device with active DACK _n # should respond.
REFRESH#	This is an active low signal driven by the current master to indicate a memory refresh operation. The current master will drive this line with a tri-state driver.
TC	This active high signal is asserted during a read or write command indicating that the DMA controller has reached a terminal count for the current transfer. DACK _n # must be presented by the bus adapter to validate the TC signal.
MASTER#	This signal is not supported by the chipset.

3.10.27 Keyboard and PS/2 Mouse Connector (CN10)

Signal	PIN		Signal
		4	NC
MCLK	7	3	MDAT
VCC	6	2	GND
KCLK	5	1	KDAT

3.10.28 Signal Description – Keyboard / Mouse Connector (CN10)

KCLK	Bi-directional clock signal used to strobe data/commands from/to the PC-AT keyboard.
KDAT	Bi-directional serial data line used to transfer data from or commands to the PC-AT keyboard.
MCLK	Bi-directional clock signal used to strobe data/commands from/to the PS/2 mouse.
MDAT	Bi-directional serial data line used to transfer data from or commands to the PS/2 mouse.