

**SD card reader comparison table****PCI express mini card**

Model Name:	MR04	MR04R	MR09R	MR14	MR15	MR16
Photo						
Size	Full size mPCIe	Full size mPCIe	Half size mPCIe	Half size mPCIe	Half size mPCIe	Full size mPCIe
Interface	USB 2.0 (MiniCard 1.0)	PCIe x1 (Minicard 1.0)	PCIe x1 (Minicard 1.0)	USB 2.0 (Minicard 1.0)	USB 2.0 (Minicard 1.2)	mSATA (mini-SATA)
Controller	Genesys GL823	RICOH R5U230	RICOH R5U230	Alcor AU6431	Alcor AU6472	DB DB300
SD Slot	SD	SD	MicroSD	MicroSD	Dual MicroSD	SD
SDHC	Yes	Yes	Micro SDHC	Micro SDHC	Micro SDHC	Yes
SDXC	workable	workable	workable	UHS-1	UHS-1	UHS-1
SD Spec.	SD 2.0	SD HOST 2.0	SD HOST 2.0	SD 3.0	SD 3.0	SD 3.0
SDIO	SDIO 2.0	SDIO 2.0	SDIO 2.0	No	No	No
MMC	Yes	Yes	No	No	No	Yes

Expresscard

Model Name:	EC220	EC220-IO	EC230	EC7836-U2	EC7836-U3	EC822
Photo						
Size	Expresscard 34mm	Expresscard 34mm	Expresscard 34mm	Expresscard 34mm	Expresscard 34mm	Expresscard 34mm
Interface	PCIe x1 (Expresscard 1.0)	PCIe x1 (Expresscard 1.0)	PCIe x1 (Expresscard 1.0)	USB2.0 (Expresscard 1.0)	USB3.0 (Expresscard 2.0)	USB2.0 (Expresscard 1.0)
Controller	RICOH R5U220	RICOH R5U220	RICOH R5U230	Skymedi SK7836	Skymedi SK7836	Genesys GL822
SD Slot	SD	SD	SD	SD	SD	SD
SDHC	Yes	SDHC (LS)	Yes	Yes	Yes	Yes
SDXC	UHS-1	UHS-1 (LS)	workable	UHS-1	UHS-1	UHS-1
SD Spec	SD HOST 3.0	SD HOST 3.0	SD HOST 2.0	SD 3.0	SD 3.0	SD 3.0
SDIO	SDIO 2.0	SDIO 2.0	SDIO 2.0	No	No	No
MMC	Yes	Yes	Yes	Yes	Yes	Yes

Notice: EC220-IO setting SD_CLK to LS (low speed) for more SDIO card compatibility.

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