# Cards that are recognised by the EX1 under Firmware v1.11+ in descending write speed.

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Compiled by testing that the card will actually work in an EX1. Then ran CrystalDiskMark v2.2.0

One of the paramters outside of pure speed is how quickly the card can write its Table of contents (TOC).

This is important if you are going from record to pause to record. If the card can sustain high sequential writes

but cannot sustain a random write at high seed, you will get the dreaded "media restore".

| | Read Speed Sequential | Write speed | Read Random 512kb | Write | Read Random 4kb | Write | Target Price USD* |
|---|---|---|---|---|---|---|---|
| Sony SxS 16GB | 74.37 | 58.9 | 72.17 | 12.2 | 10.04 | 0.131 | 800 |
| Sandisk Ultra II 16GB | 18.25 | 16.31 | 17.58 | 3.723 | 3.282 | 0.029 | 56 |
| Photofast Dual Channel | 18.84 | 14.88 | 18.71 | 3.314 | 4.059 | 0.033 | 30 |
| RAW - From Hoodman | 18.99 | 12.96 | 18.87 | 2.421 | 4.352 | 0.019 | 179 |
| Transcend 16GB | 14.53 | 9.933 | 14.61 | 2.339 | 3.79 | 0.025 | 25 |
| **Cut Off for 720p 45frames Overcrank** | | | | | | | |
| Kingston 16GB - Fast card | 18.88 | 8.764 | 18.81 | 2.898 | 3.733 | 0.029 | 30 |
| | 19.52 | 8.825 | 19.4 | 2.722 | 3.901 | 0.03 | |
| **Cut- Off for HQ 1080 30p** | | | | | | | |
| Lexar 8GB | 23.28 | 8.464 | 23.17 | 2.966 | 4.561 | 0.017 | Who cares? |
| Lexar 16GB | 23.22 | 8.493 | 23.29 | 2.775 | 4.562 | 0.016 | Who cares? |
| Generic 16Gb SSD | 22.35 | 6.626 | 22.19 | 2.289 | 5.089 | 0.023 | Who cares? |

ps I tried a whole bunch of other brand and off brand cards, and they either weren't recognised or they couldn't sustain even 25Mb HDV.
I don't really want corporate lawyers after me, so naming brands might not be wise.
Kingston is an interesting case, some are fast enough for overcranking and others are not. After more extensinve testing, we're going to reconsider
recommending Kingston, as we can't on balance assert that it will work. - Pity, it is a well made, cheap card. Maybe use it for making a backup of an SxS on site.
*Prices accurate at time of compilation.