Flash Memory SUMMIT

TUXERA
YOUR DATA - WHERE YOU WANT IT

THE IMPACT OF FILE SYSTEMS

Increasing Video Recording Speed

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FACTORS AFFECT OVERALL VIDEO RECORDING PERFORMANCE

Optimizing software for the best possible performance

Flash Memory | **Controller** | **Firmware**

FILE SYSTEMS

OVERALL PERFORMANCE

TEST ENVIROMENT INTRODUCTION

RECORDING

TEST ENVIRONMENT

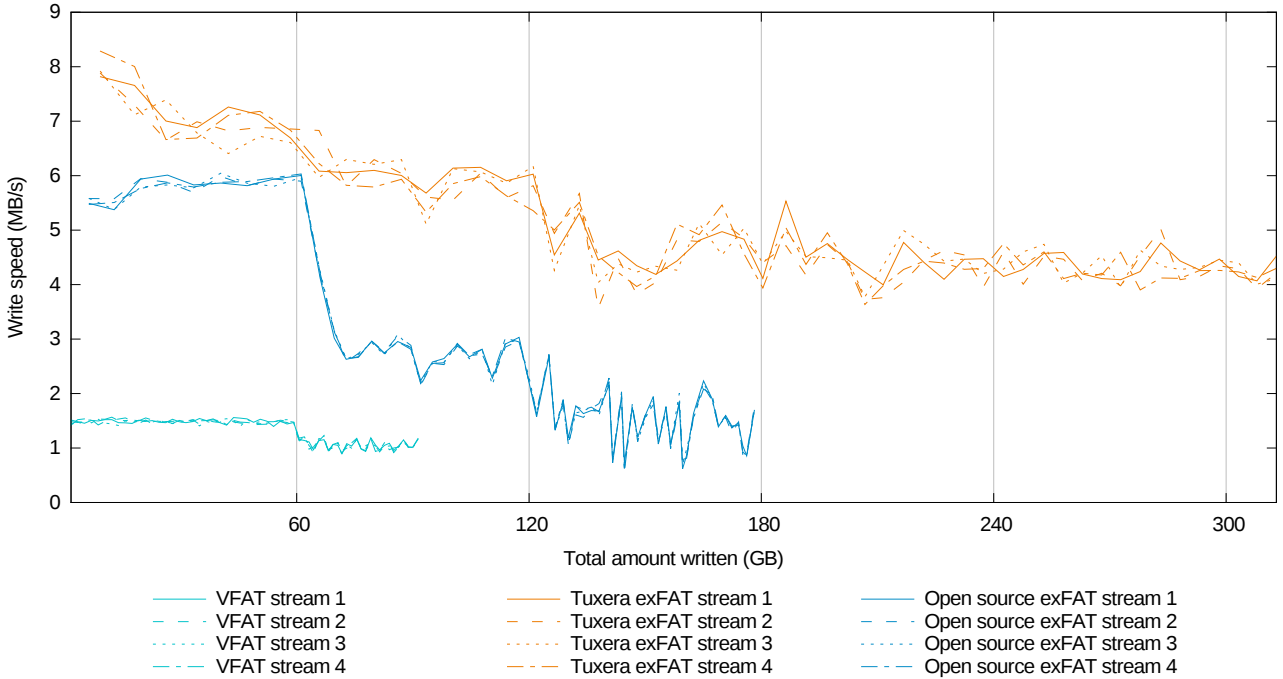
From left to right:

- Samsung Pro 64GB
- Toshiba Exceria Pro UHS-II 32GB

TEST RESULT: 4-STREAM VIDEO RECORDING

Hardware setup:

- IP Camera (ARM Cortex A9 Dual Core)
- Samsung Pro 64GB UHS-I microSDXC Card

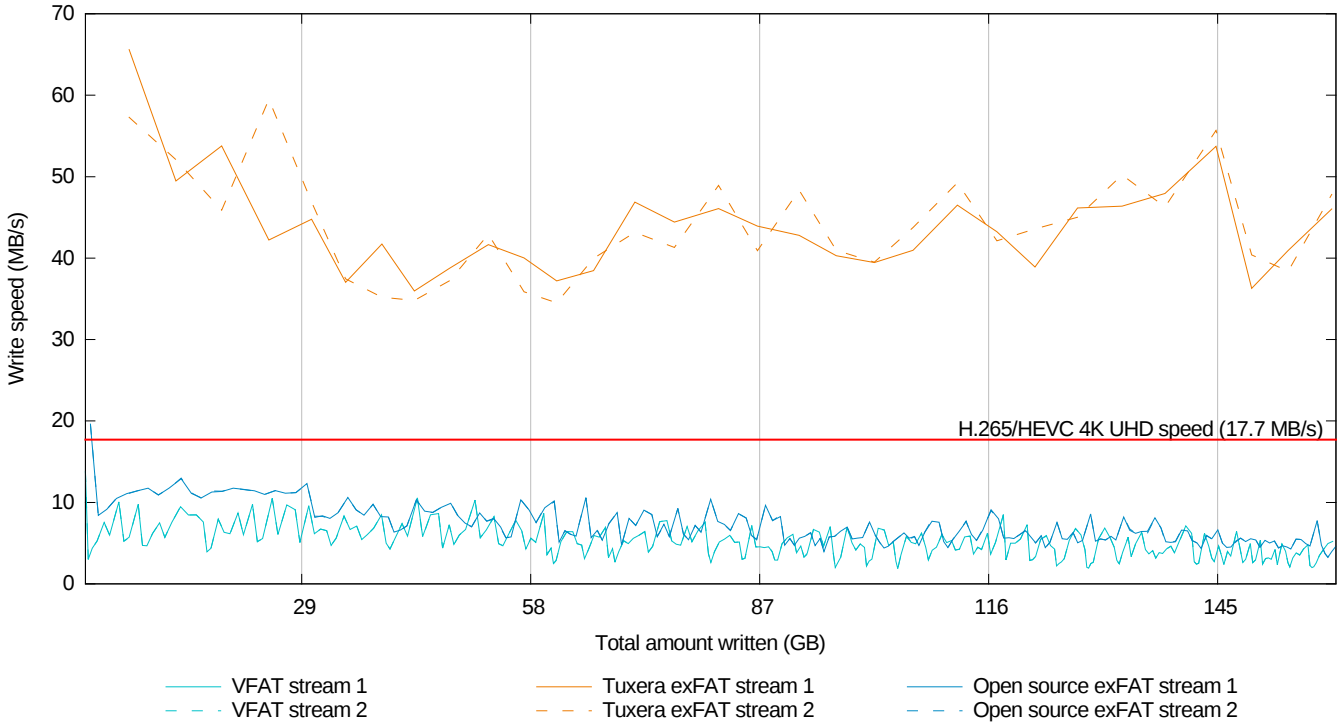


Tests with Open Source exFAT and VFAT were terminated after 5 hours writing **178GB** of data (open source exFAT) and **91GB** (VFAT). Tuxera exFAT wrote over **316GB** of data in just **4.5 hours**.

TEST RESULT: 2-STREAM VIDEO RECORDING

Hardware setup:

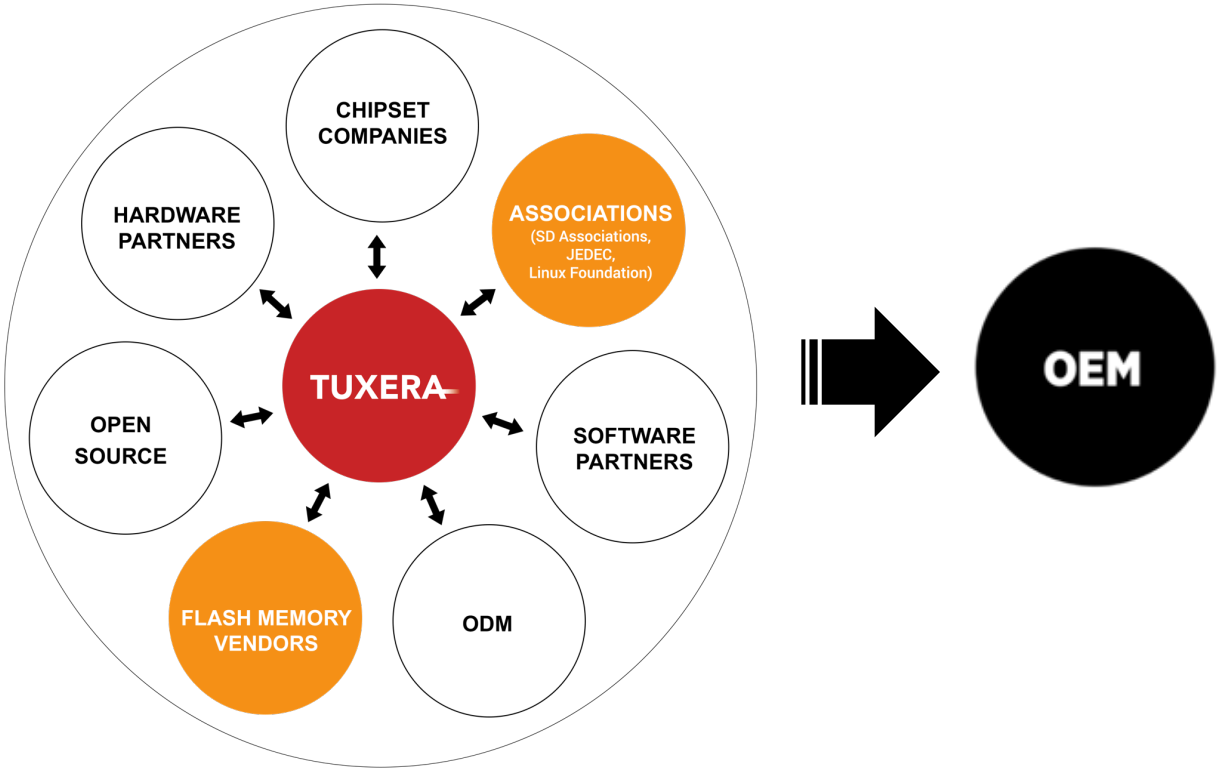
- X86+Linux device
- Toshiba Exceria Pro 32GB UHS-II SDHC Card



FILE SYSTEM IMPACTS

Right file system implementations bring significant better video recording experience.

TUXERA ECOSYSTEM: FLASH MEMORY PARTNERS

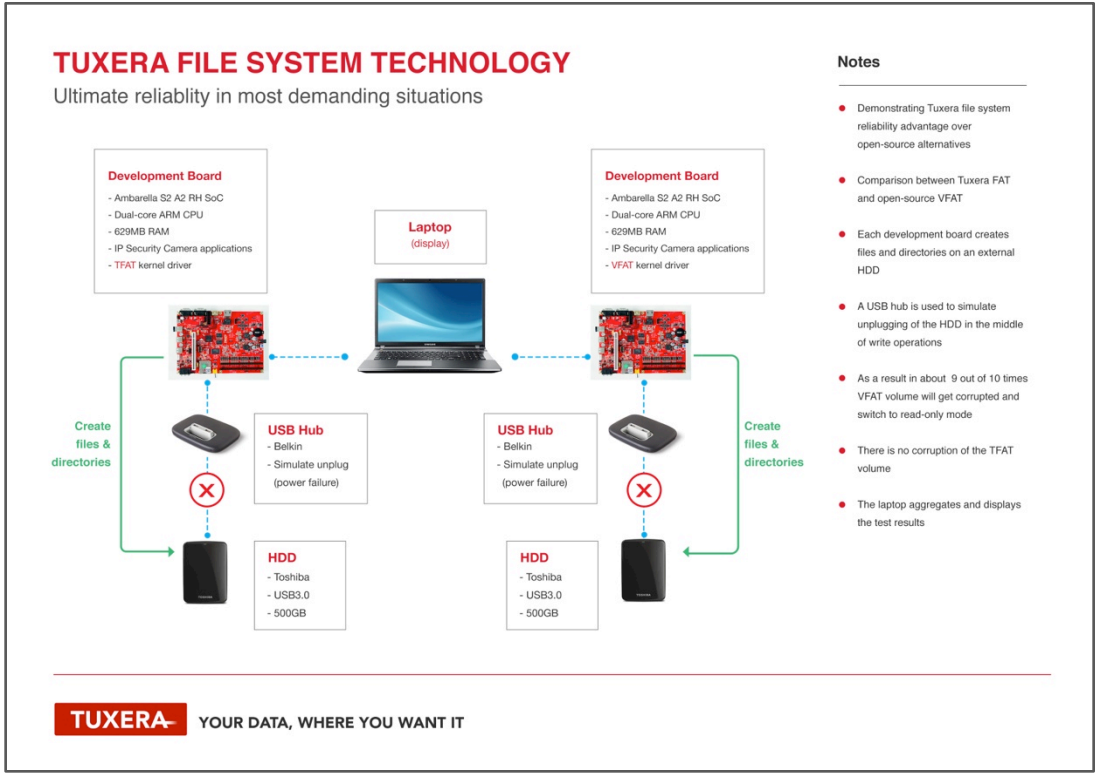


TUXERA FAIL-SAFE TECHNOLOGY DEMO @SDA

August **12-13th**

SD Association

Booth Number 119



THANK YOU!

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www.tuxera.com