



Flash Memory Summit 2016

*“Case for
Industrial Embedded
Flash Storage”*

1

SLC & I-Temp SLC NAND

- SLC NAND Reliability & Endurance
- I-Temp SLC NAND from Mfgr
- Largest Trace Width = Most Reliable

2

Locked Bill-Of-Material

- **Locked-BOM Includes:**
 - Controller Silicon
 - SLC NAND Silicon
 - Firmware
- **Qualifying w/o Locked-BOM Pointless**
- **Know What's in Production**

3

Long Life Cycle

- **Many Years - Same Locked-BOM**
- **Extend Life Beyond Component Availability**
- **Supplier / Customer Relationship**

4

-40C to 85C (105C)

- **-40C to 85C Operational Temp Range**
- **Screen to 105C for Select Apps**
- **Full Qual Data / Process Control**

5

Firmware Reliability

- **Tuned for Reliability -vs- Performance**
- **Handle Sudden Power Loss**
- **Firmware part of Locked-BOM Policy**