

CFexpress 4.0 Type A Iridium

Performance without compromise

The ProGrade Digital Iridium CFexpress A memory cards are based on proven, Solid-State Drive (SSD), PCIe controller technology that offers both best-in-class value and performance options for imaging devices of the future. Non-Volatile Memory Express (NVMe) host controller interface in the CFexpress standard ensures that host and card performance are optimized for our leading edge CFexpress product lines. All ProGrade Digital CFexpress 4.0 cards are compliant with the CompactFlash Association, CFexpress 4.0 specification—including PCIe and NVMe interoperability compliance.

For emerging mainstream imaging applications, our Type A Iridium label cards support burst write speeds of up to 1700MB/sec— ideal for high resolution video and burst shooting applications. In addition, our CFexpress Type A Iridium cards have a sustained write speed of 800MB/s for the 480GB capacity, and 1450MB/s for the 960GB capacity. The Iridium CFexpress Type A cards provide sequential read speeds of up to 1800MB/s ensuring that the offload time is minimized when used with a USB 4.0 reader, greatly improving workflow efficiency.

ProGrade Digital CFexpress Type A Delivers:

	Iridium	
	480GB	960GB
Densities and Performances	Max Read: 1800MB/s	Max Read: 1800MB/s
	Max Write: 1700MB/s	Max Write: 1700MB/s
	Sus. Write: 800MB/s	Sus. Write: 1450MB/s
	Min Sus. Write: 200MB/s	Min. Sus. Write: 200MB/s
Interface	NVMe 1.4 with PCIe Gen4 interconnect	
Operating Voltage	+3.3V; Min = +3.0V, Max = +3.6V	
Operating Current Normal	800mA, Max: 1500mA	
Power Management	Supports Power States (PS0, PS1, PS2, PS3, and PS4) with PS4 power consumption under 2mW	
Storing Temperature	-40C to 100C	
Operating Temperature	-25°C to 85°C	
Operating & Storage Humidity	95% or less (non-condensing)	
Shock	150G, 11ms duration, half sine wave	
Vibration	10Hz - 2000Hz / 1.52mm displacement 10Hz - 2000Hz, 15G acceleration	
Altitude	2.26psi/Altitude:24384m	
SMART & Sanitize	Yes	
X-ray Proof	Yes	
Dimensions	Type A: 20mm x 28mm x 2.8mm	
Warranty	3-year	

- Fully compliant with CompactFlash™ Association CFexpress Type A 1.0, 2.0, and 4.0 specifications
- Metal enclosure/encasement to endure high temperatures while providing better thermal conductivity.
- Built-in thermal throttling to protect your card and its content in the event of overheating
- Designed to provide peak performance for flagship cinema, video and photography cameras
- Optimized controllers specifically designed for use in professional-grade cameras
- Rigorous full card testing with serialized tracking of key components and manufacturing data for the highest quality control
- Component-level testing down to individual memory chips for optimal quality
- Refresh Pro™ enabled to monitor card health, update firmware, and quickly refresh performance.
- 3 year warranty

