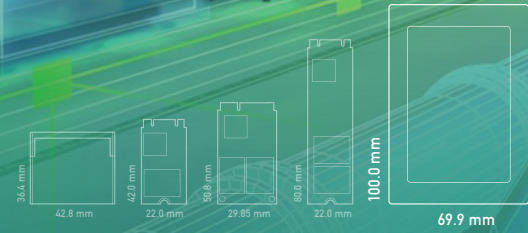# E20CP

• Surveillance / Edge AI • Factory Automation • Smart Retail
• Military / Defense • Gaming • Healthcare

SATA III 6Gb/s | 2.5 Inch

addlink E20CP 2.5" SATAIII SSDs use an industrial grade controller equipped with Kioxia BICS5 pSLC NAND to deliver better endurance (up to 13,000 TBW) and higher performance SSD, making it the best industrial storage solution for embedded systems. addlink E20CP is compliant with TCG OPAL for data security. It also supports the latest LDPC ECC, advanced wear leveling, bad block management, and over-provision technology to ensure data accuracy and integrity for a longer SSD lifetime. The E20CP SSD is available in 32GB to 256GB capacities and comes with addlink's Toolbox software for easy management and real-time monitoring. It is an ideal solution for surveillance, edge AI, factory automation, smart retail, military, gaming, and healthcare applications.

Features

• High Endurance pSLC Flash Technology
 (up to 13,000TBW - 256GB)
• AES-256-bit Encryption &
 TCG-OPAL 2.0 Complaint*
• Support DEVSLP Mode*
• Low Power Consumption
 (Max. Read/Write <1.75W)
• LDPC with RAID ECC
vThermal Protection Mechanism
vSMART Toolbox for SSD health monitoring
• Wide-temperature support: -40°C to 85°C

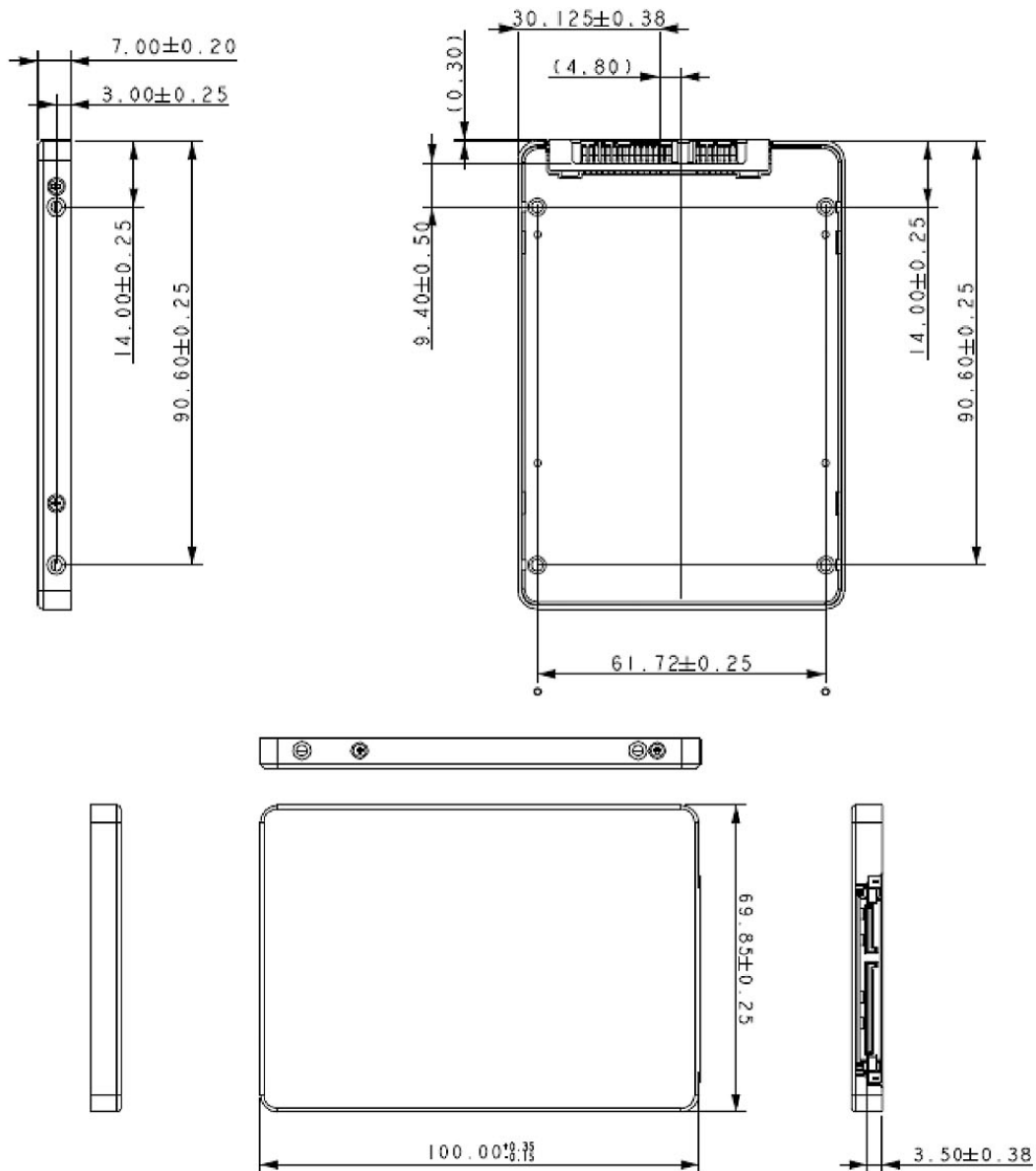* It's optional function and support by specific firmware

Specifications

Form Factor / Interface	2.5" / SATA III
Connector	7 + 15 pin SATA
Flash	pSLC
Capacity	32GB~256GB
Sequential Read/Write (up to)	R: 550 MB/s, W: 510 MB/s
Random Read/Write (up to)	R: 49k IOPS, W: 78.5k IOPS
Supply (V)	5V + -5%
Max. Endurance	13,000 TBW (256GB)
Max. Power Consumption (R/W)	1.35/1.25
Max. Idle Power Consumption	0.2W
Shock / Vibration	1500G0-P/0.5ms duration, 20Hz~80Hz/1.52mm 80Hz~2000Hz/20G
Operating Humidity	5%-95% RH, non-condensing
Operating Temperature	Standard: 0°C to 70°C, Industrial: -40°C to 85°C
MTBF	3M hrs
Security (Optional)	TCG OPAL 2.0 Compliant
Technologies	LDPC ECC, Thermal Throttling, SLC Cache, Wear Leveling, Bad block management, TRIM command, S.M.A.R.T.

2.5" SATA III 6Gb/s
INDUSTRIAL SSD

Industrial

TCG OPAL	Write Protect	Secure Erase	Crypto Erase	ToolBox	Advance Thermal Solution	DEVSLP Mode	Destroy Erase
○	○	●	○	●	○	○	○

● Default Implemented ○ On Request — Not Available

addlink
Industrial

Dimensions

• 100mm (L) x 69.85mm (W) x 7mm (H)

Ordering Information

Capacity	Commercial (0°C~70°C)	Industrial (-40°C~+85°C)
32GB	ad32GBE20CPC	ad32GBE20CPA
64GB	ad64GBE20CPC	ad64GBE20CPA
128GB	ad128GBE20CPC	ad128GBE20CPA
256GB	ad256GBE20CPC	ad256GBE20CPA