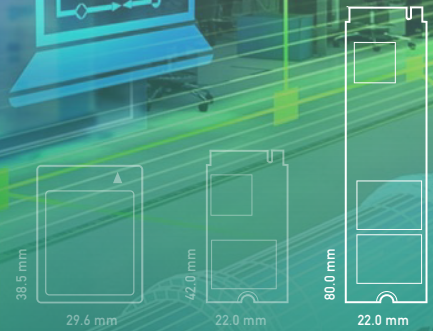


# E45E

- Smart Factory • Industrial Automation • Edge AI for Smart City
- Surveillance • POS / Kiosk / Digital Signage • Defense / Public Safety



## PCIe Gen4x4 | M.2 2280

addlink E45E M.2 2280 PCIe Gen4x4 SSDs use the latest powerful Gen4x4 Industrial controller and are equipped with 112 Layer 3D TLC (BICS5) NAND flash and delivers significant outstanding performance boost with sequential read/write speeds of up to 7200/6500 MB per second. addlink E45E 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 E45E SSD is available in 480GB to 3840GB capacities and comes with addlink's Toolbox software for easy management and real-time monitoring. It is an ideal solution for edge AI, factory Automation, data center, surveillance, and networking applications.

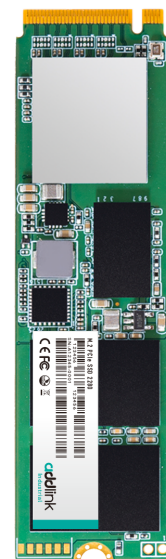
## Specifications

Form Factor / Interface	M.2 2280 / PCIe Gen4x4
Connector	M.2 M key with PCIe pin out
DRAM / Flash	DDR4 / 3D TLC
Capacity	480~3840GB
Sequential Read/Write (up to)	R:7200 MB/s, W:6500 MB/s
Random Read/Write (up to)	R:900k IOPS / W:1000K IOPS
Supply (V)	3.3V + -5%
Max. Endurance	6,800 TBW (3480GB)
Max. Power Consumption (R/W)	11/11W
Max. Idle Power Consumption	<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	1.6M hrs
Security (Optional)	TCG OPAL 2.0 Compliant
Technologies	LDPC/RAID ECC, Thermal Throttling, SLC Cache, Wear Leveling, Bad block management, TRIM command, S.M.A.R.T.

## Features

- AES-256-bit Encryption & TCG-OPAL 2.0 Compliant\*
- Max. Speed up to 7200/6500 MB per second
- LDPC with RAID ECC
- Thermal Protection Mechanism
- Premium Heat-Spreader Solution (optional)
- SMART Toolbox for SSD health monitoring
- Outstanding data transfer speed
- Wide-temperature support: -40°C to 85°C

\* It's optional function and support by specific firmware

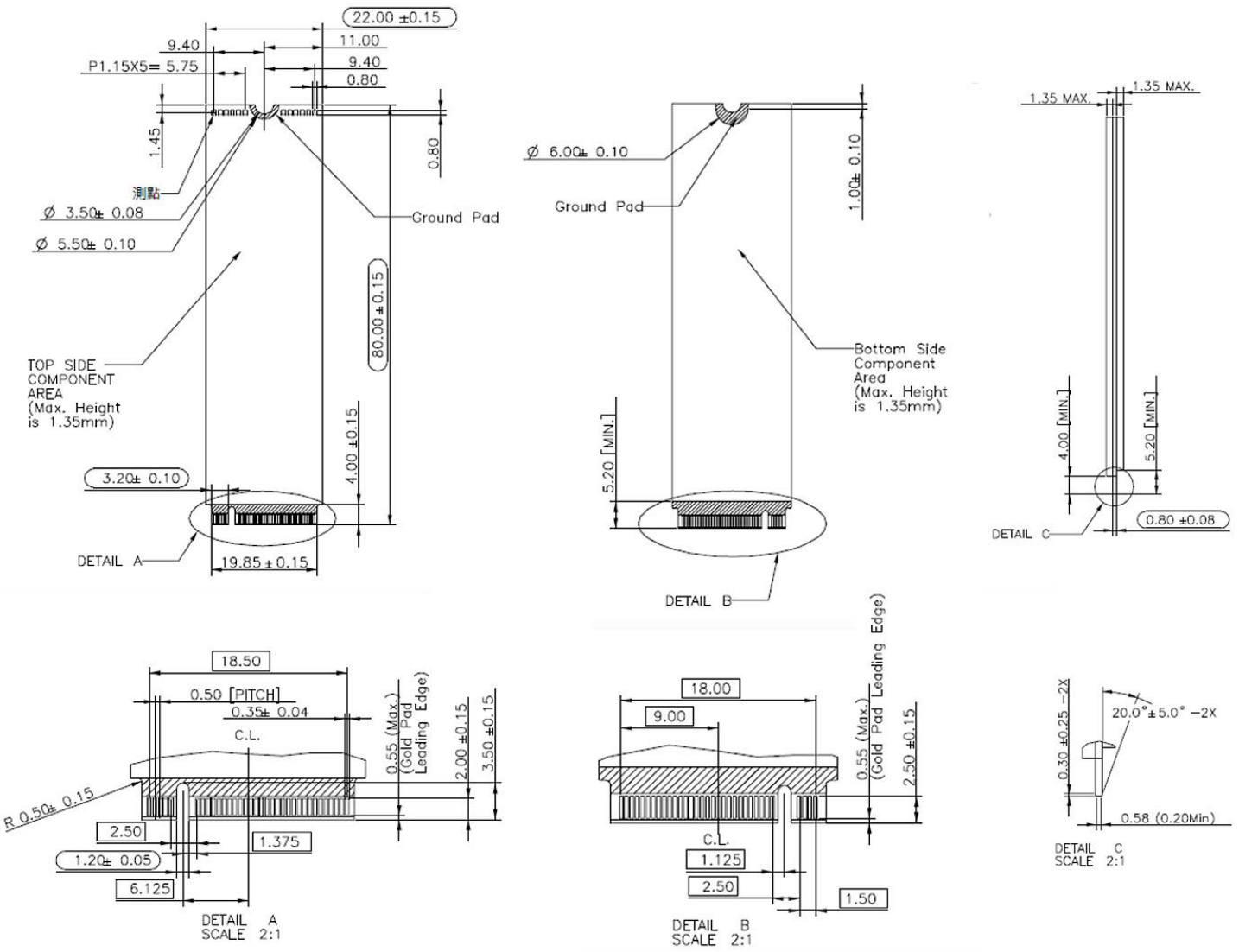


TCG OPAL	Write Protect	Secure Erase	ToolBox	Advance Thermal Solution
○	○	●	●	○

● Default Implemented ○ On Request - Not Available

# Dimensions

- 80.00mm (L) x 22mm (W) x 1.35 mm (H)



# Ordering Information

Capacity	Commercial (0°C~70°C)	Industrial (-40°C~+85°C)
480GB	ad480GBE45ETC	ad480GBE45ETA
960GB	ad960GBE45ETC	ad960GBE45ETA
1920GB	ad1920GBE45ETC	ad1920GBE45ETA
3840GB	ad3840GBE45ETC	ad3840GBE45ETA

