

# ES2HP

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



## SD Card | SD 6.1

addlink ES2HP SD 6.10 card uses an industrial-grade controller is equipped with Kioxia BICS5 pSLC NAND deliver better endurance (up to 30K P/E Cycles) and higher performance. addlink ES2HP meets UHS Speed Class 3 (U3) and Video Speed Class 30 (V30) standards for 4K Ultra HD and full HD video recording playback, features LDPC ECC, wear leveling, and Auto-read refresh features to ensure data accuracy and integrity. The ES2H SD card is Automotive Grade (AEC-Q100 Grade 3) compliant and is waterproof (IPx7), shockproof, x-ray proof, and temperature proof for extreme conditions. They are available in 16GB to 128GB capacities and come with addlink's Toolbox software for easy management and real-time monitoring. It is an ideal solution for surveillance, edge AI, smart retail, military, gaming, healthcare, and automation applications.

## Specifications

Form Factor / Interface	SD / SD 6.1
Connector	SD 9 pin
Interface / SPEC	UHS-I, A2, V30, U3
Flash	pSLC
Capacity	16~128GB
Sequential Read/Write (up to)	R: 95 MB/s, W: 85 MB/s
Supply (V)	2.7V~3.6V
Max. Endurance (W/E)	30K
Max. Read/Write Current	400/400mA
Max. Standby Current	1mA
Waterproof	JIS IPX7
AEC-Q100	Yes
IATF16949	Yes
ESD	Contact: +/- 4KV, Air: +/- 8KV
Shock / Vibration	1500G0-P/0.5ms duration, 20Hz~80Hz/1.52mm 80Hz~2000Hz/20G
Operating Temperature	Standard: -25°C to 85°C, Industrial: -40°C to 85°C
MTBF	3M hrs

## Features

- High Endurance pSLC Flash Technology (up to 30K P/E Cycles)
- Automotive Grade (AEC-Q100 Grade 3) Compliance
- Dust/Water proof (IP67), shock proof, X-Ray proof
- Meet UHS speed Class 3 (U3) and Video Speed Class 30 (V30) for 4K Ultra HD video recording
- Meet A2 rated for Android app performance
- Password Protection of cards\*
- Support CPRM (Content Protection for Recordable Media)\*
- Wide-temperature support: -40°C to 85°C

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



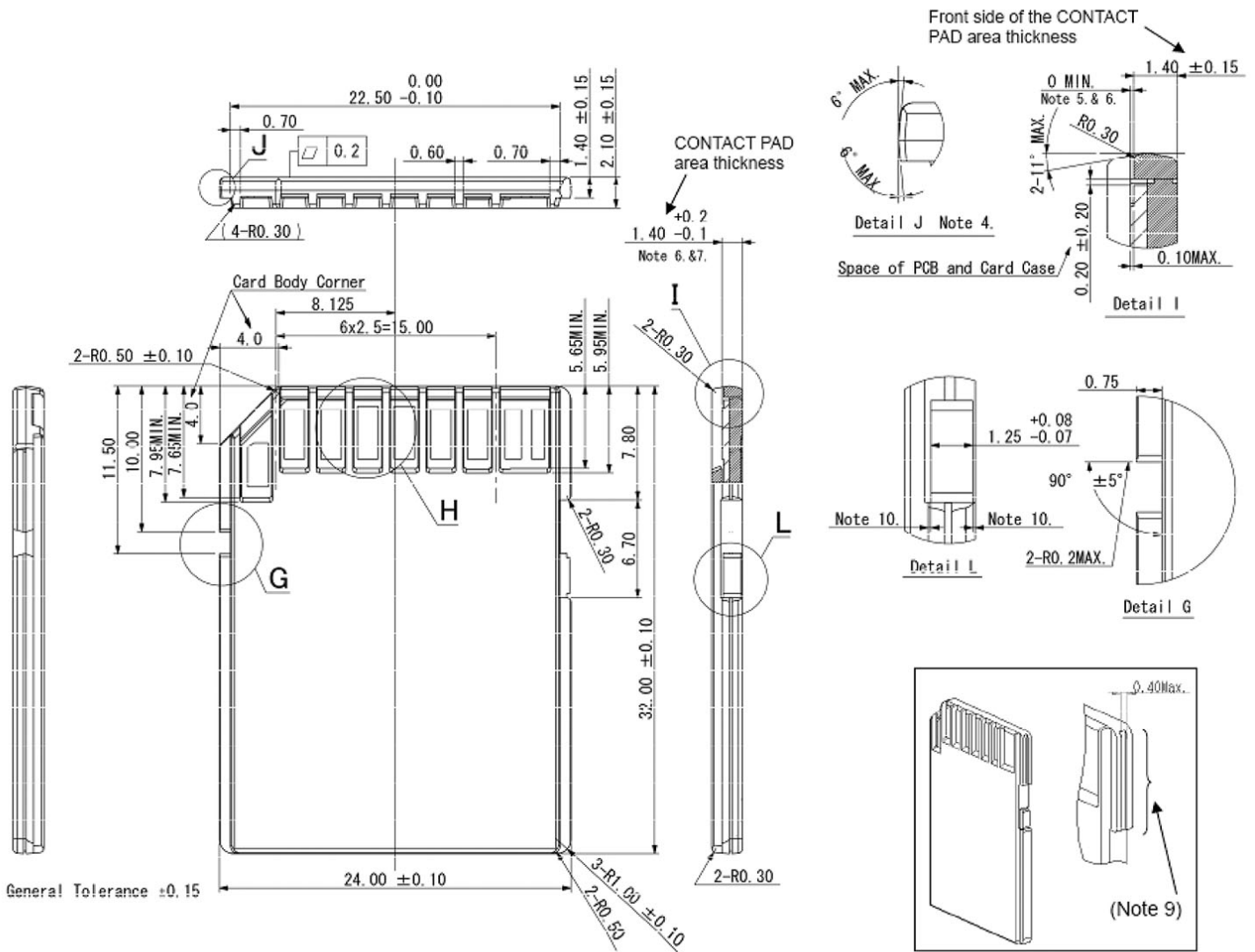
Write Protect	CPRM	Password Protection	IPX7	AEC-Q100	ToolBox	Auto Read Refresh	Sudden Power off Protection
○	○	○	●	●	●	●	○

● Default Implemented ○ On Request - Not Available



# Dimensions

- 24.0 mm (L) x 32.0 mm (W) x 2.1 mm (H)



## Ordering Information

Capacity	Commercial (-25°C~85°C)	Industrial (-40°C~+85°C)
16GB	ad16GBES2HPC	ad16GBES2HPA
32GB	ad32GBES2HPC	ad32GBES2HPA
64GB	ad64GBES2HPC	ad64GBES2HPA
128GB	ad128GBES2HPC	ad128GBES2HPA

