

- Comply with Secure Digital Association / SDA standard
- Conforms to ISO7816-1 UV Guard & X-Ray Proof
- Extreme Rugged, Vibration, Water and Shock Resistant
- DCS Power Loss Protection
- Write Protect or Read Only
- End to End Data Protection
- Wear Leveling & Bad Block Detection
- S.M.A.R.T. Enable (Life Time Monitoring)
- Meet AEC-Q100 Grade 3
- Auto Refresh Read Disturb Protector
- ISO9001 / ISO14001 / ISO27001 / OHSAS18001
- Fixed BOM, Made In Taiwan



TS Connect Industrial SD Cards iSD2 Series are designed for demanding Industrial applications, such as Military/Defence, Aerospace, Surveillance, Marine Navigation, Automotive, Embedded, Communication, Networking and Medical Equipment.

Technical Shortform Specification							
Electrical Data	Capacities:	1GB	2GB	4GB	8GB	16GB	32GB
	Transfer Rate SLC:	Read: 65MB/s			Write: 55MB/s		
	Interface:	9-pin. Support Version 2.0 and 3.0					
	Operating Frequency:	50 MHz					
	DC Input Voltage:	2.7Vdc to 3.6Vdc					
	Power Consumption:	110mA (Typical.)					
Environment Data	Operating TEMP.:	Commercial: -25°C to +85°C			Industrial/MIL: -45°C to +85°C		
	Storage TEMP.:	-45°C to +90°C					
	Humidity:	10% to 95% Non Condensing					
Reliability Data	Vibration:	5G (10-500Hz)			20G (60-2000Hz)		
	Shock:	1500G (0.5mS)					
	ESD Proof:	4kV					
	IP Grade:	IPX7					
	Endurance:	>2.000.000 Cycles					
	Program/Erase Cycles:	SLC: >100.00 Times					
	Data Retention:	10 Years Minimum					
	Insertion Reliability:	10.000 Times Minimum					
Mechanical	MTBF:	3.000.000 Hours					
	Dimensions (L x W x H):	32 x 24 x 2.1mm					
Certifications	Weight:	2g (SD Card Only)			7g (SD Card in Small Case)		
	Approvals:	CE / FCC / BSMI / RoHS					
Ordering Information							
Capacities	SLC (-25°C)			SLC (-40°C)			
1 GB (Class 6)	ISD2PH01GEX6-TSC			ISD2PH01GIX6-TSC			
2 GB (Class 6)	ISD2PH02GEX6-TSC			ISD2PH02GIX6-TSC			
4 GB (Class 10)	ISD2PH04GEX6-TSC			ISD2PH04GIX6-TSC			
8 GB (Class 10)	ISD2PH08GEX6-TSC			ISD2PH08GIX6-TSC			
16 GB (Class 10)	ISD2PH16GEX6-TSC			ISD2PH16GIX6-TSC			
32 GB (Class 10)	ISD2PH32GEX6-TSC			ISD2PH32GIX6-TSC			

* For Complete Datasheet and Drawing Please Contact TS Connect AB / Power Outlet

Dimensions:

