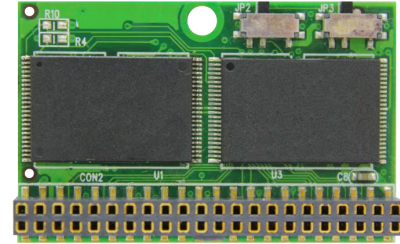


## Features:

- IDE/ATA Interface Compliant
- Master/Slave Setting Selectable
- MLC & SLC Available
- Conformal Coating Optional
- MLC with Temp Range -40°C to +85°C Available
- DOS/WinCE/Linux/WinXPe Bootable
- Built-In ECC Corrects up to 68 Random bits per 1K Byte
- Built-In Wear Leveling & Block Management for Ultra High Endurance
- Fixed BOM
- Made in Taiwan



The P44-9H Series 44-pin Horizontal PATA Drive on Module(DOM) provides Non-Volatile Storage in a Compact Design, making a perfect fit for Embedded applications. It is constructed with High- Performance Flash Disc Controller and high quality NAND Flash Memory. The industry standard IDE Connector plugs directly into a Motherboard using a 44-pin IDE Connector in Horizontalformat.

This IDE Drive on Module(DOM) operates in both 5Vdc and 3.3Vdc Power Supplies. It is available with either MLC or SLC NAND Flash and is offered in Capacities from 4GB to 64GB Unformatted Disc and it is ideal for Embedded applications including Military/Defense, Surveillance, Networking Equipment, Blade Servers, Point of Sale terminals, Casino Gaming machines, Single Board Computers, Aerospace and many more applications.

With Built-In Wear Leveling Algorithms, ECC, and No Moving parts, It is a very Low Power Design with Flash Technology ruggedness, reliability and performance.

## Technical Shortform Specification

Technical Shortform Specification						
Electrical Data	Capacities:	4GB	8GB	16GB	32GB	64GB
	Interface:	44-pin IDE / ATA				
	IDE Transfer Mode:	PIO Mode 4 / Multi Word DMA Mode 2 / Ultra DMA Mode 6				
	Data Transfer Rate:	SLC (Read/Write): 86/80MB/s (Max.)		MLC (Read/Write): 80/45MB/s (Max.)		
	Voltage Input:	3.3Vdc/5Vdc Single Power Supply Operation				
	Power Consumption:	100mA (Typical.)				
Environmental Data	Operating TEMP.:	Commercial: 0°C to +70°C		Industrial/MIL: -40°C to +85°C		
	Storage TEMP.:	Commercial: -20°C to +80°C		Industrial/MIL: -45°C to +95°C		
	Humidity:	10% to 95% Non Condensing				
Reliability	Vibration / Shock:	15G / 1000G				
	ECC Technology:	Built-In ECC Corrects up to 68 Random bits Error per 1K bytes				
	MTBF:	>2.000.000 Hours				
	Wear Leveling:	Support Wear Leveling				
	Endurance:	>5.000.000 P/E Cycles				
	Altitude:	50.000ft				
Mechanical	Dimensions (W x T x L):	45 x 4.6 x 28mm				
	Weight:	10g ±2g				
Certifications	Approvals:	CE / FCC / RoHS				

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