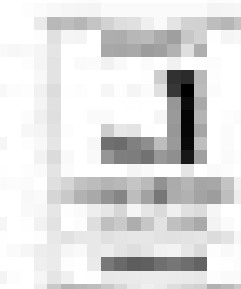


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## 870 EVO | QVO

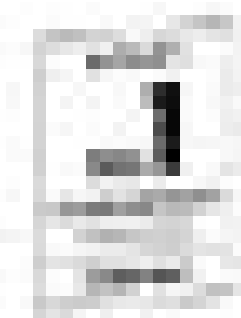
The definitive SSD  
for every need



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## 870 EVO | QVO

The definitive SSD  
for every need



# The world's favorite SSD series

As the world's most popular SSD series, the EVO series is the most reliable and durable SSD series. It's the most popular SSD series for a reason: it's the most reliable and durable SSD series. It's the most popular SSD series for a reason: it's the most reliable and durable SSD series.



## EVO EVO

- Highest IOPS (Input/Output Operations Per Second) and lowest latency
- Most advanced NAND technology
- Most advanced controller

## EVO QVO

- Highest performance per watt
- Most advanced NAND technology
- Most advanced controller

For more information, visit [www.samsung.com/usa/ssd](http://www.samsung.com/usa/ssd)

## Upgrade Easily

From 128GB to 1TB, the EVO series offers the most flexible upgrade options. It's the most flexible upgrade options. It's the most flexible upgrade options.



### Back-up

Use the EVO series to back up your data.



### Replace

Use the EVO series to replace your drive.

## Accelerate every task

Experience a complete system speed boost from booting up to loading, saving, opening, and closing applications. The EVO series is the most reliable and durable SSD series. It's the most reliable and durable SSD series.



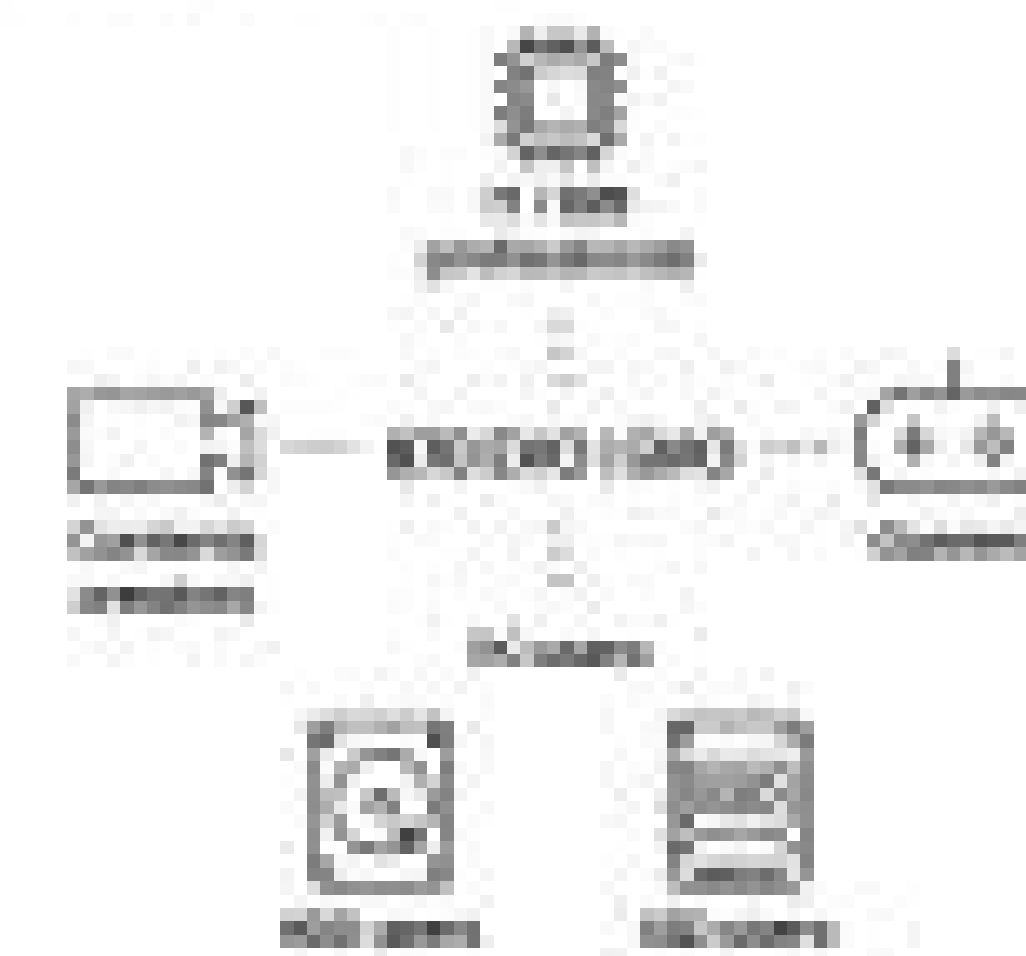
## Sustainable performance

To meet the growing demand for reliable and sustainable performance, the EVO series is the most reliable and durable SSD series. It's the most reliable and durable SSD series.

| EVO EVO  |         |         |         |         |         | EVO QVO  |         |         |         |         |         |
|----------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|
| Capacity | 128GB   | 256GB   | 512GB   | 1TB     | 2TB     | Capacity | 128GB   | 256GB   | 512GB   | 1TB     | 2TB     |
| Warranty | 5 years | 5 years | 5 years | 5 years | 5 years | 5 years  | 5 years | 5 years | 5 years | 5 years | 5 years |

## Tailored for any user

Choose the EVO series that's right for you. It's the most reliable and durable SSD series.



## EVO EVO

For more information, visit [www.samsung.com/usa/ssd](http://www.samsung.com/usa/ssd)

## EVO QVO

For more information, visit [www.samsung.com/usa/ssd](http://www.samsung.com/usa/ssd)

## Terabyte-level storage

The EVO series offers the most flexible upgrade options. It's the most flexible upgrade options. It's the most flexible upgrade options.



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Technical Specifications

|                            | 870 EVO   | QVO   |
|----------------------------|---|---|
| Capacity                   | 128GB   | 256GB   |
| Form Factor                | 2.5"  | 2.5"  |
| Interface                  | SATA III  | SATA III  |
| Dimensions (mm)            | 100.0 x 69.9 x 9.5  | 100.0 x 69.9 x 9.5  |
| Weight (g)                 | 50.0  | 50.0  |
| Warranty                   | 5 years   | 5 years   |
| MTBF (hours)               | 1,000,000   | 1,000,000   |
| Annual Data Rate (GB)      | 150   | 150   |
| Random Read IOPS           | 150,000   | 150,000   |
| Random Write IOPS          | 100,000   | 100,000   |
| Sequential Read (MB/s)     | 550   | 550   |
| Sequential Write (MB/s)    | 480   | 480   |
| 4K Random Read (IOPS)      | 120,000   | 120,000   |
| 4K Random Write (IOPS)     | 80,000  | 80,000  |
| 4K Sequential Read (MB/s)  | 120   | 120   |
| 4K Sequential Write (MB/s) | 100   | 100   |
| Power (W)                  | 0.5   | 0.5   |
| Operating Temperature (°C) | 0 to 70   | 0 to 70   |
| Storage Temperature (°C)   | -40 to 85   | -40 to 85   |
| Humidity (RH)              | 5 to 95   | 5 to 95   |
| Shock (G)                  | 1500  | 1500  |
| Vibration (G)              | 0.5   | 0.5   |
| ESD (kV)                   | ±8  | ±8  |
| EMC                        | CE, FCC, VCCI, BSMI, CB, CCC, CEM, KC, KCC, UKCA, UKCA2, UKCA3, UKCA4, UKCA5, UKCA6, UKCA7, UKCA8, UKCA9, UKCA10, UKCA11, UKCA12, UKCA13, UKCA14, UKCA15, UKCA16, UKCA17, UKCA18, UKCA19, UKCA20, UKCA21, UKCA22, UKCA23, UKCA24, UKCA25, UKCA26, UKCA27, UKCA28, UKCA29, UKCA30, UKCA31, UKCA32, UKCA33, UKCA34, UKCA35, UKCA36, UKCA37, UKCA38, UKCA39, UKCA40, UKCA41, UKCA42, UKCA43, UKCA44, UKCA45, UKCA46, UKCA47, UKCA48, UKCA49, UKCA50, UKCA51, UKCA52, UKCA53, UKCA54, UKCA55, UKCA56, UKCA57, UKCA58, UKCA59, UKCA60, UKCA61, UKCA62, UKCA63, UKCA64, UKCA65, UKCA66, UKCA67, UKCA68, UKCA69, UKCA70, UKCA71, UKCA72, UKCA73, UKCA74, UKCA75, UKCA76, UKCA77, UKCA78, UKCA79, UKCA80, UKCA81, UKCA82, UKCA83, UKCA84, UKCA85, UKCA86, UKCA87, UKCA88, UKCA89, UKCA90, UKCA91, UKCA92, UKCA93, UKCA94, UKCA95, UKCA96, UKCA97, UKCA98, UKCA99, UKCA100 | CE, FCC, VCCI, BSMI, CB, CCC, CEM, KC, KCC, UKCA, UKCA2, UKCA3, UKCA4, UKCA5, UKCA6, UKCA7, UKCA8, UKCA9, UKCA10, UKCA11, UKCA12, UKCA13, UKCA14, UKCA15, UKCA16, UKCA17, UKCA18, UKCA19, UKCA20, UKCA21, UKCA22, UKCA23, UKCA24, UKCA25, UKCA26, UKCA27, UKCA28, UKCA29, UKCA30, UKCA31, UKCA32, UKCA33, UKCA34, UKCA35, UKCA36, UKCA37, UKCA38, UKCA39, UKCA40, UKCA41, UKCA42, UKCA43, UKCA44, UKCA45, UKCA46, UKCA47, UKCA48, UKCA49, UKCA50, UKCA51, UKCA52, UKCA53, UKCA54, UKCA55, UKCA56, UKCA57, UKCA58, UKCA59, UKCA60, UKCA61, UKCA62, UKCA63, UKCA64, UKCA65, UKCA66, UKCA67, UKCA68, UKCA69, UKCA70, UKCA71, UKCA72, UKCA73, UKCA74, UKCA75, UKCA76, UKCA77, UKCA78, UKCA79, UKCA80, UKCA81, UKCA82, UKCA83, UKCA84, UKCA85, UKCA86, UKCA87, UKCA88, UKCA89, UKCA90, UKCA91, UKCA92, UKCA93, UKCA94, UKCA95, UKCA96, UKCA97, UKCA98, UKCA99, UKCA100 |
| RoHS                       | Compliant   | Compliant   |
| REACH                      | Compliant   | Compliant   |
| Warranty                   | 5 years   | 5 years   |
| MTBF (hours)               | 1,000,000   | 1,000,000   |
| Annual Data Rate (GB)      | 150   | 150   |
| Random Read IOPS           | 150,000   | 150,000   |
| Random Write IOPS          | 100,000   | 100,000   |
| Sequential Read (MB/s)     | 550   | 550   |
| Sequential Write (MB/s)    | 480   | 480   |
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| EMC                        | CE, FCC, VCCI, BSMI, CB, CCC, CEM, KC, KCC, UKCA, UKCA2, UKCA3, UKCA4, UKCA5, UKCA6, UKCA7, UKCA8, UKCA9, UKCA10, UKCA11, UKCA12, UKCA13, UKCA14, UKCA15, UKCA16, UKCA17, UKCA18, UKCA19, UKCA20, UKCA21, UKCA22, UKCA23, UKCA24, UKCA25, UKCA26, UKCA27, UKCA28, UKCA29, UKCA30, UKCA31, UKCA32, UKCA33, UKCA34, UKCA35, UKCA36, UKCA37, UKCA38, UKCA39, UKCA40, UKCA41, UKCA42, UKCA43, UKCA44, UKCA45, UKCA46, UKCA47, UKCA48, UKCA49, UKCA50, UKCA51, UKCA52, UKCA53, UKCA54, UKCA55, UKCA56, UKCA57, UKCA58, UKCA59, UKCA60, UKCA61, UKCA62, UKCA63, UKCA64, UKCA65, UKCA66, UKCA67, UKCA68, UKCA69, UKCA70, UKCA71, UKCA72, UKCA73, UKCA74, UKCA75, UKCA76, UKCA77, UKCA78, UKCA79, UKCA80, UKCA81, UKCA82, UKCA83, UKCA84, UKCA85, UKCA86, UKCA87, UKCA88, UKCA89, UKCA90, UKCA91, UKCA92, UKCA93, UKCA94, UKCA95, UKCA96, UKCA97, UKCA98, UKCA99, UKCA100 | CE, FCC, VCCI, BSMI, CB, CCC, CEM, KC, KCC, UKCA, UKCA2, UKCA3, UKCA4, UKCA5, UKCA6, UKCA7, UKCA8, UKCA9, UKCA10, UKCA11, UKCA12, UKCA13, UKCA14, UKCA15, UKCA16, UKCA17, UKCA18, UKCA19, UKCA20, UKCA21, UKCA22, UKCA23, UKCA24, UKCA25, UKCA26, UKCA27, UKCA28, UKCA29, UKCA30, UKCA31, UKCA32, UKCA33, UKCA34, UKCA35, UKCA36, UKCA37, UKCA38, UKCA39, UKCA40, UKCA41, UKCA42, UKCA43, UKCA44, UKCA45, UKCA46, UKCA47, UKCA48, UKCA49, UKCA50, UKCA51, UKCA52, UKCA53, UKCA54, UKCA55, UKCA56, UKCA57, UKCA58, UKCA59, UKCA60, UKCA61, UKCA62, UKCA63, UKCA64, UKCA65, UKCA66, UKCA67, UKCA68, UKCA69, UKCA70, UKCA71, UKCA72, UKCA73, UKCA74, UKCA75, UKCA76, UKCA77, UKCA78, UKCA79, UKCA80, UKCA81, UKCA82, UKCA83, UKCA84, UKCA85, UKCA86, UKCA87, UKCA88, UKCA89, UKCA90, UKCA91, UKCA92, UKCA93, UKCA94, UKCA95, UKCA96, UKCA97, UKCA98, UKCA99, UKCA100 |
| RoHS                       | Compliant   | Compliant   |
| REACH                      | Compliant   | Compliant   |

Performance based on sequential read/write and random read/write IOPS. Actual performance may vary. For more information, visit [www.samsung.com/usa/ssd](http://www.samsung.com/usa/ssd).

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