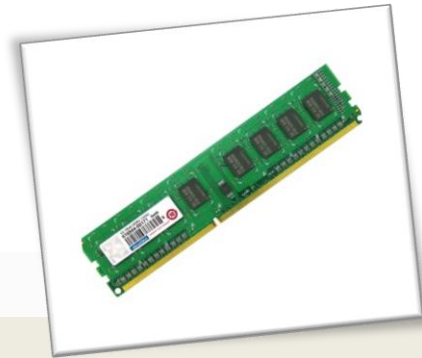


Advantech Qualified DIMM

Built to Last



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Product Highlight

Reliable

The AQD memory module is designed for Industrial and embedded applications. With more than 30 years of experience designing and developing industrial applications and systems, Advantech understands what an industrial user is looking for when it comes to memory modules. Unlike commercial-grade memory, every IC that we use to build our memory modules has been carefully selected and tested to exceed the toughest industrial standards for working in rugged environments. The gold plate pin on our registered and ECC memory module is thicker than commercial-grade memory modules, which contributes to higher system reliability and more stable performance for high-end server and mission critical applications.



Memory Module Chamber Test

Compatible



Every AQD memory module has been tested and verified for use with many different motherboards and systems to make sure there are no compatibility issues. Customer can use our Intelligent Memory Module Finder on Advantech.com, where they can easily pinpoint memory that works and is compatible with pre-selected motherboards.

Longevity Support

The qualification and certification process for a customer project from design to mass production can take more than a year to complete. Once a customer launches a finished product to the market, it is important to make sure that all component suppliers can deliver long-term supply and technical support. AQD offers a minimum of 3 years product longevity support to ensure customers

do not need to face another round of costly certifications. This helps to reduce customer total cost of ownership and improve customer' ROI.



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Product Key Features

- Tested and verified with Advantech boards and systems to ensure 100% compatibility
- Intel® chipset validation lists are available online
- Intelligent Memory Module Finder prevents system configuration errors
- Thicker gold plate on registered and ECC modules ensures performance and system stability
- Ultra low profile design fits space-constrained environments

Advantech's AQD memory module is built to last, designed to meet industrial-grade application requirements, and is a brand that you can trust.

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Product Offering

DDR3 Unbuffered Long DIMM (with Samsung Chip)



Part Number	Speed	DRAM Configuration	Capacity	Low Voltage (1.35V)	Very Low Profile (0.74")
<u>AQD-D31GN13-SX</u>	1333Mb/s/Pin	128Mbx8	1GB	✗	✗
<u>AQD-D3L2GN16-SQ</u>	1600Mb/s/Pin	256Mbx8	2GB	✓	✗
<u>AQD-D3L4GN16-SG</u>	1600Mb/s/Pin	512Mbx8	4GB	✓	✗
<u>AQD-D3L4GN16-SG</u>	1600Mb/s/Pin	512Mbx8	8GB	✓	✗

DDR3 Unbuffered Short DIMM (with Samsung Chip)



Part Number	Speed	DRAM Configuration	Capacity	Low Voltage (1.35V)	Very Low Profile (0.74")
<u>AQD-SD31GN13-SX</u>	1333Mb/s/Pin	128Mbx8	1GB	✗	✗
<u>AQD-SD3L2GN16-SQ</u>	1600Mb/s/Pin	256Mbx8	2GB	✓	✗
<u>AQD-SD3L4GN16-SG</u>	1600Mb/s/Pin	512Mbx8	4GB	✓	✗
<u>AQD-SD3L8GN16-SG</u>	1600Mb/s/Pin	512Mbx8	8GB	✓	✗

DDR3 ECC Unbuffered DIMM (with Samsung Chip)



Part Number	Speed	DRAM Configuration	Capacity	Low Voltage (1.35V)	Very Low Profile (0.74")
<u>AQD-D3L4GE16-SG</u>	1600Mb/s/Pin	512Mbx8	4GB	✓	✗
<u>AQD-D3L8GE16-SG</u>	1600Mb/s/Pin	512Mbx8	8GB	✓	✗

DDR3 Registered DIMM (with Samsung Chip)



Part Number	Speed	DRAM Configuration	Capacity	Low Voltage (1.35V)	Very Low Profile (0.74")
<u>AQD-D3L4GR16-SG</u>	1600Mb/s/Pin	512Mbx8	4GB	✓	✗
<u>AQD-D3L8GR16-SG</u>	1600Mb/s/Pin	512Mbx8	8GB	✓	✗
<u>AQD-D38GRV16-SG</u>	1600Mb/s/Pin	512Mbx8	8GB	✗	✓
<u>AQD-D3L8GRV16-SG</u>	1600Mb/s/Pin	512Mbx8	8GB	✓	✓
<u>AQD-D316RV16-SM</u>	1600Mb/s/Pin	2Gbx4	16GB	✗	✓
<u>AQD-D3L16RV16-SM</u>	1600Mb/s/Pin	2Gbx4	16GB	✓	✓

DDR3 Load Reduce DIMM (with Samsung Chip)



Part Number	Speed	DRAM Configuration	Capacity	Low Voltage (1.35V)	Very Low Profile (0.74")
<u>AQD-D3L32L13-SM</u>	1333Mb/s/Pin	2Gbx4	32GB	✓	✗