

Motor Controller

USI is one of the leading DMS solution providers to global automotive industry, fulfilling our customers' needs of Quality, Flexibility, and Cost-Effectiveness

Vehicle Application

- Engine Cooling Fan Control
- HVAC Blower
- Power Window
- Electric Scooter, Electric Bike

Motor Application

- DC Brush PM Motor
- DC Brush-less PM Motor

Main Product Capability

- Operating Temperature Range : -40 ~ 110 °C
- Operating Voltage Range : 8 ~ 16 V
- Variable Speed Control
- Speed-Control Interface : Analog & Digital
- Motor Commutation : Sensor / Sensor-less Control
- 550W capability for cooling fan application



Product Design Consideration

- Safety Consideration: Over Voltage Protection (OVP), Under Voltage Protection (UVP), Over Temperature Protection (OTP), Over Current Protection (OCP), Current Limiting, Reverse Voltage Protection (RVP), Locked Motor Protection, Commutation Error Protection
- EMC Consideration
- Optimized Thermal Management

Quality Award

- TS16949/QS9000 certified: Taiwan, China (Shenzhen) and Mexico (Guadrajala)
- ISO14001, ISO 9001, ISO9002, OHSAS18001, Green Management Compliance ...etc.
- Chrysler "Gold Pentastar Award", "Quality Excellence Award", Ford "Q1 Preferred Quality Award", Siemens-VDO "Top+ Together Award", "Ship to Stock Certification", "Certificate of Honor", Valeo "1000 Certified"...etc.

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