

Known Differences between the AVME9660A and the retired AVME9660

The AVME9660A has been designed as a drop-in replacement for the AVME9660. The known differences between the AVME9660 and its replacement (AVME9660A) are listed below. Our testing indicates that the new AVME9660A should work in all current customers’ applications.

Power

The AVME9660A has a higher power-on voltage reset and uses slightly more power but the maximum current draw remains the same.

	AVME9660	AVME9660A
Reset Supervisor	Board will reset when 5V drops below 4.27 typical, 4.15 minimum	Board will reset when 5V drops below 4.52 typical, 4.48 minimum
Power Usage	+5 Volts (±5%) 210mA, Typical 275mA Maximum	+5 Volts (±5%) 233mA, Typical 275mA Maximum

IP Bus Data Transfer time

The IP module access time has decreased on the AVME9660A.

	AVME9660	AVME9660A
IP Register Access Time¹	750nS Typical	500nS Typical

1. Refer to the “IP Read and Write Cycle Timing” section in the User’s Manual for further information.

Other Features

- **New Extended Temperature Range Model**
 - The AVME9660AE-LF has an operating temperature range of -40°C to 85°C
- **New AVME9660A Carrier Features**
 - Onboard Temperature Sensor
 - Firmware Revision Register