Linear Technology’s PWM to $V_{OUT}$ DACs convert a PWM (pulse width modulation) input to an accurate, stable, buffered voltage without the ripple, slow settling and external passive components of discrete filter implementations. The LTC®2645 quad PWM DAC measures the period and pulse width of the PWM input signal and updates the DAC output immediately with up to 12-bit accuracy, no software coding required.

**No Software. No Ripple. No Latency.**

- 30Hz to 100kHz PWM Input
- Buffered Rail-to-Rail Voltage Output
- Updates and Settles within 8µs
- 10ppm/°C Internal Reference; 2.5V Full Scale
- Pin-Selectable Internal or External Reference
- ±2.5 LSB Max INL; ±1 LSB Max DNL
- 2.7V to 5.5V Supply
  - 1.71V to 5.5V PWM Inputs

**Features**

**Dual and Quad PWM to $V_{OUT}$ DACs**

<table>
<thead>
<tr>
<th>Type</th>
<th>12-Bit</th>
<th>10-Bit</th>
<th>8-Bit</th>
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<td>Dual 12-Pin MSOP</td>
<td>LTC2644-12</td>
<td>LTC2644-10</td>
<td>LTC2644-8</td>
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<tr>
<td>Quad 16-Pin MSOP</td>
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<td>LTC2645-8</td>
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www.linear.com/product/LTC2645
1-800-4-LINEAR