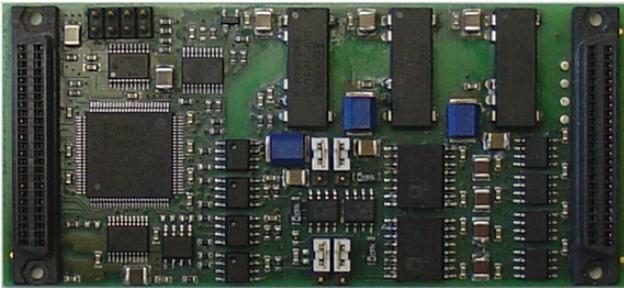# TIP550 8 (4) Channels of Isolated 12 bit D/A Conversion
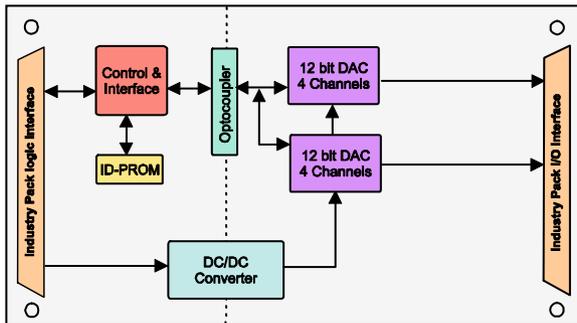
Application Information

The TIP550 is an IndustryPack® compatible module and provides 8 or 4 channels of isolated 12 bit analog outputs. The settling time to 0.01% is 13µs typical. The programmable output voltage range is +/-10V or 0-10V selectable by jumper. The isolated DAC and the output buffer are powered by an on board DC/DC converter.

Each TIP550 is factory calibrated. The calibration information is stored in the Identification-PROM unique to each IP.

For First-Time-Buyers the Engineering Documentation TIP550-ED is recommended. The Engineering Documentation includes TIP550-DOC, schematics and data sheets.

Software Support (TIP550-SW-xx) for different operating systems is available.

Technical Information

- ❍ Interface according to IndustryPack specification
- ❍ Identification-PROM supports auto-configuration
- ❍ Single Size IndustryPack
- ❍ 8 (4) channels of isolated 12 bit analog output
- ❍ Full-scale output range +/-10 V or 0-10V selectable by jumper
- ❍ Factory calibrated, calibration information in Identification-PROM unique to each IP
- ❍ Operating temperature -40°C to +85°C

Order Information

RoHS Compliant

TIP550-10R	8 Channels of Isolated 12 bit Analog Output
TIP550-11R	4 Channels of Isolated 12 bit Analog Output

None RoHS Compliant

TIP550-10	None RoHS compliant version of TIP550-10R
TIP550-11	None RoHS compliant version of TIP550-11R

Documentation

TIP550-DOC	User Manual
TIP550-ED	Engineering Documentation, includes TIP550-DOC

Software

TIP550-SW-25	Integrity Software Support
TIP550-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP550-SW-65	Windows XP/XPE/2000 Software Support
TIP550-SW-72	LynxOS Software Support
TIP550-SW-82	LiNUX Software Support
TIP550-SW-95	QNX 6 Software Support

For other operating systems please contact TEWS.