

FREE!!* Dual Load Peripheral

Technical Overview

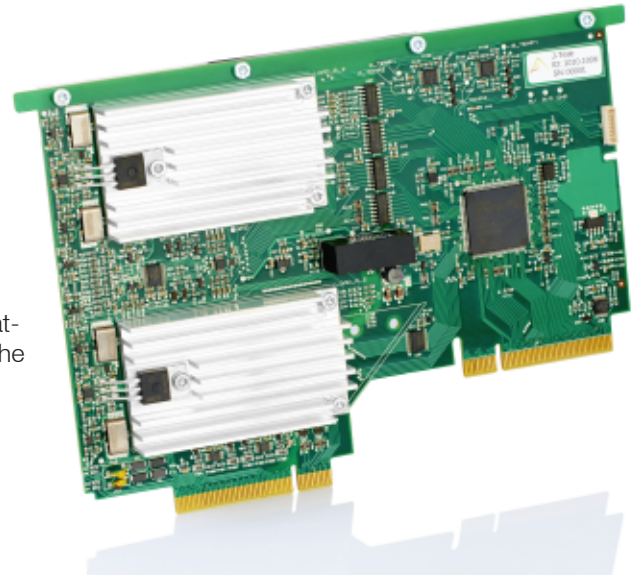
- Dual 8A 40W loads or single 16A 80W
- 1V to 60V working input range
- Programmable current set value with 1mA resolution
- Transient mode (Load stepping)
- Floating architecture allows negative supplies
- Independent hardware over-temperature interlocks
- Programmable threshold supply voltage sensing
- J-Safe Programmable rapid over-power shutdown
- Accurate voltage and current monitoring
- Remote voltage sensing (HV and LV ranges)
- 8 Generic I/O with UART, SPI, Timer & PWM features



Peripheral Details

The J-Testr high efficiency cooling system enabled the design of this 80W capable dual load card that truly sets the J-Testr apart from the competition. This function brings new levels of UUT testing allowing users to fully test their on-board power supplies, or even to test dedicated power supply designs. Combined with the supply peripheral card, the load peripheral card allows the following power supply testing to be achieved without any bulky external equipment:

- > Full current and over-current
- > Load & Line regulation
- > Efficiency
- > Transient response



Two independently controllable 40W loads gives the user the ability to test two lower power supplies (e.g. 12V at 3.3A // 5V at 8A) or a single higher power supply (e.g. 5V at 16A). In fact up to 2 load cards can be fitted to a J-Testr system allowing a maximum of 160W of power loading per J-Testr system. If more loads are required, and concurrent test is not required, then the GPIO lines can be used to control relays on the interposer to multiplex multiple power supplies.

As you would expect for a J-Testr peripheral card, the loads have been designed with both test and safety in mind, hence protection features such as independent rapid Over-Power (OP) and Over-Temperature (OT) have been implemented to avoid damage occurring to the internal power MOSFETs. All fault signals are latched and can be read from registers so the user can easily track down the cause and report it to the operator.

Fully integrated precision current and voltage monitoring, with remote sense, allows the output power of the supply under test to be measured as close to the UUT as possible. The remote sense helps the user to eliminate measurement errors due to voltage drops in high current paths, making power measurement significantly more accurate.

Other features like programmable external supply voltage sensing, that will automatically turn the load on/off depending on the supply voltage level, give the load card a refined set of functions often not even available on bulky bench-top models.

As with all J-Testr bus-controlled peripherals, the load card has 8 GPIO with special function such as basic PWMs and UART

Offer Details

Offer applies to one free Load peripheral card (order number 8900.1010.1006) when purchasing a J-Testr Standard+ system.

Offer ends 31/01/2018 at 11:59 PM CET. Offer valid for a limited time only, valid orders must be submitted before the offer date and time. Offer cannot be combined with any other Eiger Design GmbH offers or used on previous purchases. Eiger Design GmbH reserves the right to end any promotion at any time. Other restrictions may apply.

For further information contact your distributor or email: jtestr@eigerdesign.com

All specifications are subject to possible change.

Offer Code
EigerProd17