

TIGER Series Products

Rugged systems in a small package with rock solid electronics on the inside - the Tiger Series Rapid prototyping hardware units can be a dependable partner for all your control and prototyping needs.

- 1. BUILT TOUGH:** All Tiger series products are housed in a machined aluminum chassis milled out of a single Aluminum 6061 billet, gold chromated and then powder coated with an exterior rated powder. The units are designed to survive severe vibration, drop tests, salt spray and immersion in water. They are rigorously tested on SAE J 1445 and joint SAE/TMC environmental standards - *these will take a lot of abuse in the lab and in the field without failures.*
- 2. ROCK SOLID POWER SUPPLY:** All units feature an 8 to 60V input power supply - from cars to heavy trucks to marine systems to 42V busses - they go everywhere. The power supply is extremely rugged; tolerates transients to 100V, has ESD, EFT protection and is short circuit proof, reverse battery proof and load dump tolerant.
- 3. RUGGEDIZED ELECTRONICS:** All IO is fully protected against over voltage and over current conditions. Every single signal coming in or going out is protected against ESD, transients and short circuits; filtered where applicable and designed to survive the rigors of the road for years of unattended service.
- 4. EXPANDABLE SYSTEMS:** You pay for what you need; start with a base system and add modules as needed: power drivers, storage systems, communication modules, linear amplifiers and custom units. Modules stack below the base unit and maintain enclosure integrity. There are no external wiring harnesses to connect and no reliability issues with multiple units and multiple harnesses.
- 5. FUTURE PROOF:** Built around the Freescale MPC5XX series processors, you can use the same unit for prototyping that will ultimately be used in production. Code migration from a prototyping system to production ready code is seamless.
- 6. INDUSTRY STANDARD:** Using Pathway's ground breaking OpenSim tools in combination with Mathworks Simulink software, the development environment is well supported across the industry allowing for easy code development and error free collaboration.

From the lab to the test track, from cars to heavy trucks, from prototype to production, Tiger series rapid prototyping hardware is the rugged dependable solution for your development needs.