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Find the *Aitech Defense Systems E154* at our website: ***Click HERE***

# E154

## 6U VME/VPX Development Platform




- **Commercial Chassis for System/Software Development**
- **3 slot 6U VME/VPX Hybrid Backplane with RTM support**
  - **Two VPX Slots**
  - **One VME64x slot**
- **User Configurable VPX System Controller Slot**
- **Status Indicator LEDs**
- **Fan-cooled**
- **600 Watt Power Supply**

**Aitech Defense Systems, Inc.**
**A member of the Aitech Rugged Group**
19756 Prairie Street, Chatsworth, CA. 91311
Tel: (888) Aitech-8 (248-3248) Fax: (818) 718-9787 e-mail: sales@rugged.com web: www.rugged.com

Aitech's E154 6U VME/VPX Development Platform provides a versatile, easy to use, low cost environment for development of 6U systems and application software.

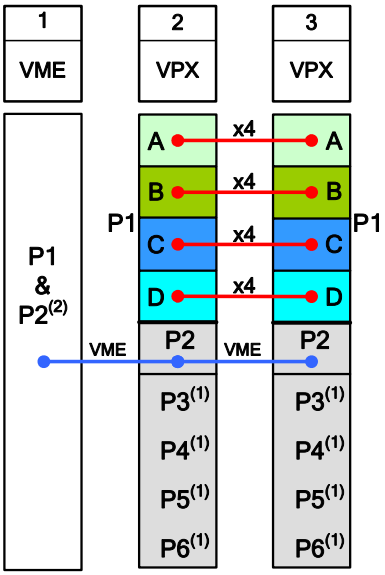
The development platform includes a 3-slot backplane with rear I/O, an integral power supply, and a fan unit.

Layout of the backplane supports four x4 connections between the two VPX slots on their P1 connectors, and VME connections between the VME slot and the two VPX slots. The diagram below shows slot to slot routing of the backplane.

Jumpers on the backplane enable the user to configure either of the VPX slots as system controller.

The E154 can be ordered without boards, or with one or more Aitech air-cooled 6U VPX or VME SBCs.

Functionality may be enhanced by adding Aitech or third party peripheral VPX/VME boards, additional SBCs, and PMCs/XMCs to SBCs or PMC/XMC carriers.




(1) I/O routing to Rear Transition Module (RTM) per VITA 46
(2) I/O routing to Rear Transition Module (RTM) per ANSI/VITA 1.1

SBC and PMC/XMC I/O can be easily accessed using transition modules with standard I/O connectors, assembled from the rear of the E154.

Refer to the datasheets for the various Aitech 6U VPX SBCs, PMCs, XMCs, PMC/XMC Carriers, and Transition Modules for more information regarding the potential capabilities of the E154 Development Platform.

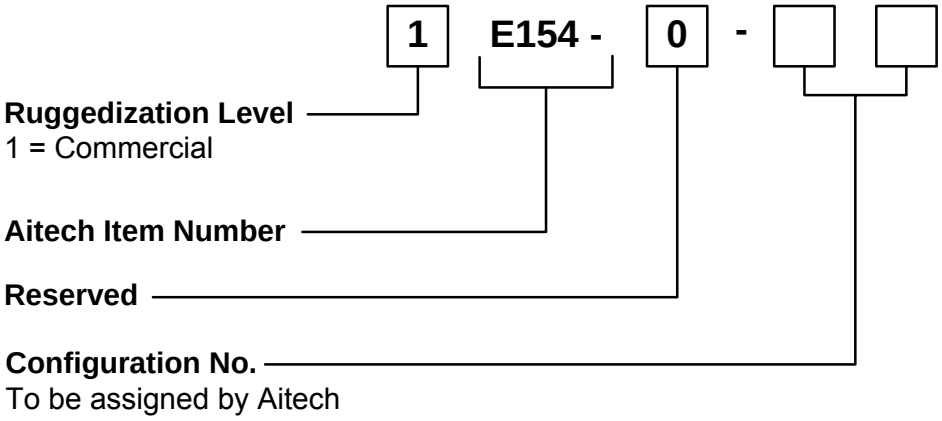
The enclosure includes an integral 600 Watt power supply, which is more than sufficient to power any complement of cards and mezzanines.

Power Supply Specifications

- Input Power: 90 - 264 Vac @ 47 - 63 Hz
- Output Power
  - +5 Vdc @ 25 A
  - +3.3 Vdc @ 25 A
  - +12 Vdc @ 45 A
  - -12 Vdc @ 0.8 A
- Output Protection
  - Short circuit
  - Overvoltage
  - Overload

# E154
## 6U VME/VPX Development Platform

### Ordering Information for the E154




Example: 1E154-0-00

For more information about Aitech's rugged and military enclosures or any Aitech product, please contact Aitech Defense Systems' sales department at (888) Aitech-8 (248-3248).

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