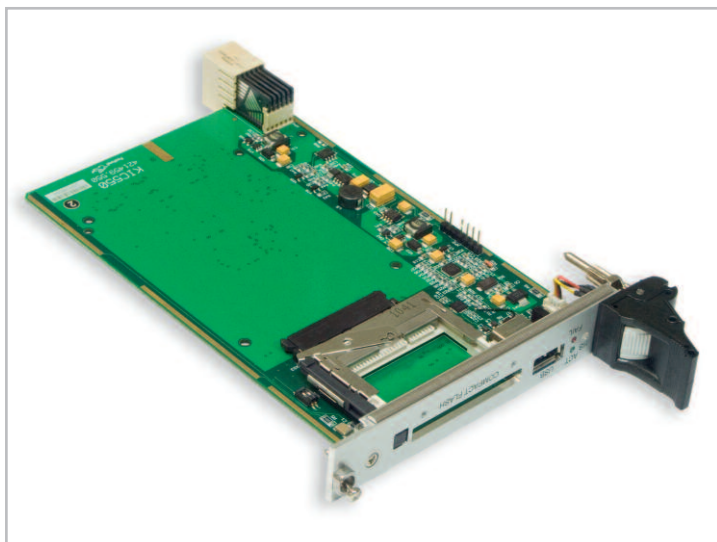




Features

- Compliance with PICMG 2.30 and PICMG S.0 standards
- Place for mounting a 2.5" SATA Storage Carrier
- USB 2.0 at the front panel or USB 3.0 via on-board connector
- Operating temperature: -40°C to +85°C
- Intra-module RAID support (RAID 0 and RAID 1)

Overview

KIC550 is a 3U CompactPCI Serial interface expansion module designed to enhance functionality of CompactPCI processor modules conforming to PICMG 2.30 or Compact PCI Serial specifications. Using this module allows to build full-fledged high-performance reliable computing systems.

Technical Specifications

- **Adapter for mounting SATA 2.5" Storage Carrier**
 - Supports SATA and SATA II storage carriers, overall size: 100×70×9.5 mm (2.5");
 - Supports operation in RAID;
 - Supports power supply control to the Storage Carrier;
 - Supports SGPIO interface; storage device status indication;
 - Capability of operation in slots with the support of SATA and/or PCI Express interfaces.
- **USB 3.0 port**
 - USB 3.0 specification;
 - Overload protection;
 - Rooted to front panel.
- **CFast interface**
 - Complies with the CFast Revision 1.1 specification;
 - Rooted to the front panel;
 - Capability of operation in slots with the support of SATA and/or PCI Express interfaces.
- **Indication**
 - Storage Carrier status indicators;
 - Hot swap mode indicator *.
- **Additional capabilities**
 - Intra-module RAID support (RAID 0 and RAID 1);
 - HyperDuo storage devices support;
- **No forced cooling required**
- **Supported standards**
 - SFF-8485 specification for serial GPIO (SGPIO) Bus;
 - PICMG 2.30 RC1.0 November 11, 2009;
 - PICMG CPCI-S.0 R1.0 March 2, 2011;
 - CFast Specification Revision 1.1;
 - Universal Serial Bus 3.0 Specification. Rev. 1.0.
- **Operating temperature:**
Industrial temperature range: -40 to +85°C.
- **Humidity resistance (with protective coating)** at air temperature +(55±2)°C, relative humidity (93±3)% (if the storage device complies with the specified conditions).
- **Power requirements**
 - Power supply voltage: 12 V.
 - Power consumption: 0,27 A (without Storage Carrier and USB devices)
- **Shock/vibration:** 100g/5g (this value is specified for the module without storage devices installed).
- **MTBF:** No less than 1000000 h.
- **Weight:** No more than 135 g.
- **Dimension:** 130,6×213,0×20,3 mm.

* The "Hot Swap" function of KIC550 module is available with a simultaneous support of the specified function by the processor board.



Fastwel



Fastwel

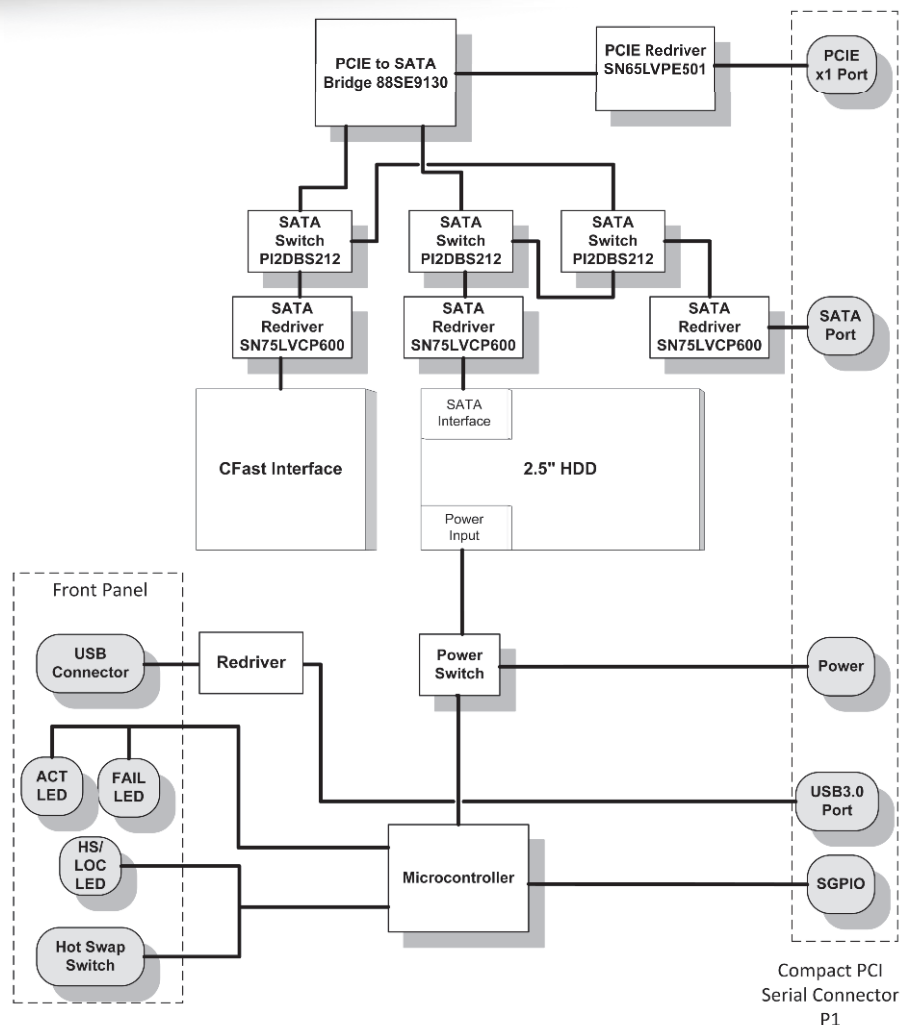


Fastwel

KIC550

3U CompactPCI Peripheral Storage Module

Board Layout



Ordering Information

Available options: \COATED - damp-proof coating

KIC550 Configuration

KIC550 - 01 KIC550 (-40°C to +85°C)

Available Options

\COATED - damp-proof coating

Delivery checklist:

KIC550 Delivery checklist includes:

- KIC550 module - 1 pcs;
- Installation kit (screw: 4 pcs) for Storage Carrier - 1 pcs;
- Package.

Additional accessories

The Storage Carrier is ordered as an extra.

Corporate Offices

FASTWEL GROUP Co. Ltd

108 Profsoyuznaya str.
Moscow, Russia 117437
Tel: +7 (495) 232-1681
Fax: +7 (495) 232-1654
E-mail: info@fastwel.com
Web: www.fastwel.com

FASTWEL Corporation US

55 Washington St. #310
Brooklyn, NY 11201
Tel: 1.718.554.3686
Fax: 1.718.797.0600
Tollfree: 1.877.RURUGGED
(787.8443)
Technical support

FASTWEL Asia

6F., No. 118, Ln.235, Baoqiao
Rd., Xindian Dist, New Taipei
City, Taiwan, R.O.C.
Tel: +886-2-8912 1938
Fax: +886-2-8912 1939
E-mail: asia@fastwel.com



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Product specifications are subject to change without notice