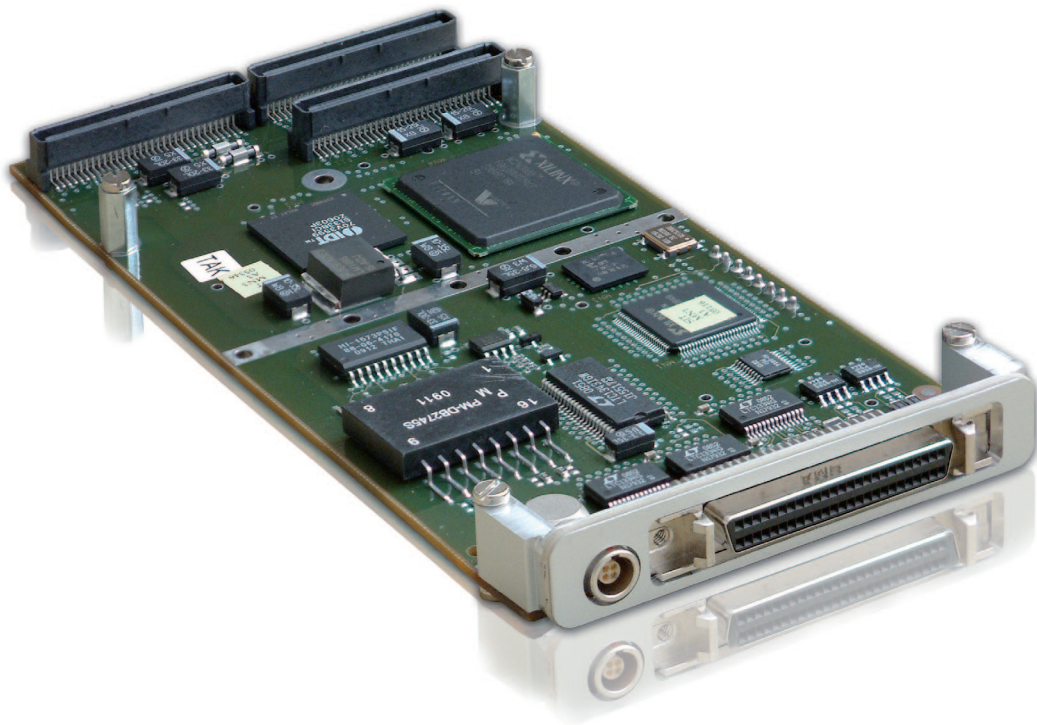


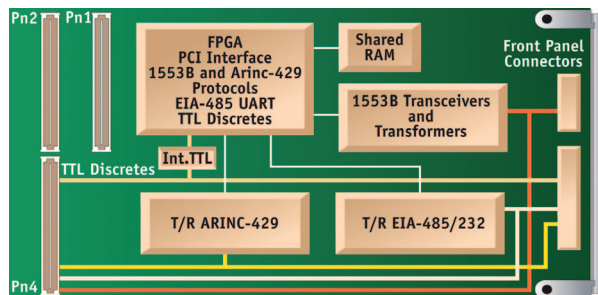
# » PMC-6L «



## Avionics I/O PMC

- » ARINC-429 Interface
- » MIL-STD-1553
- » Serial Lines
- » Up to 16 General Purpose I/O
- » Local 128K x 32 bits Shared Memory
- » PCIbus 32-bit/33 MHz 3.3V Signaling
- » Support for VxWorks 5.5 for Tornado 2.2

The PMC-6L is a new member of Kontron's activities in multifunction Input/Output PCI Mezzanine Card (PMC). Designed to meet the requirements of compact, real-time systems for the most demanding defense and aerospace application, the PMC-6L is a result of the combined expertise of Kontron, provider of high-performance, low-power SBCs, and key actors in the airborne mission computers domain.



### Technical Information

|                       | B-Type  | MODEM M-Type           | HDLC H-Type   |
|-----------------------|---|------------------------|---|
| <b>MIL-STD-1553-B</b> | Single Redundant Channel, Bus Controller or Remote Terminal |                        |   |
| <b>ARINC-429</b>      | 4 Receive and 2 Transmit Channels                           |                        |   |
| <b>Serial Lines</b>   | 4 UART Simple Lines or 2 HDLC Synchronous Full Duplex Lines | Full Modem Single Port | 6 UART Simple Lines or 3 HDLC Synchronous Full Duplex Lines |
| <b>GPIO Lines</b>     | 16  | 14                     | 16 (Front + Rear)   |

### Environmental Specifications

|                                   | SA - Standard Commercial | RC - Rugged Conduction-Cooled * |
|-----------------------------------|--------------------------|---------------------------------|
| <b>Temperature range</b>          | VITA 47-Class AC1        | VITA 47-Class CC4               |
| <b>Cooling Method</b>             | Convection               | Conduction                      |
| <b>Operating</b>                  | 0° to +55°C              | 40° to +85°C                    |
| <b>Storage</b>                    | -45° to +85°C            | -45° to +100°C                  |
| <b>Conformal Coating</b>          | Optional                 | Standard                        |
| <b>Airflow</b>                    | 1.2 m/s                  | NA                              |
| <b>Vibration Sine (Operating)</b> | 20/500 Hz: 2g            | 20/2,000 Hz: 5g                 |
| <b>Random</b>                     | VITA 47-Class V1         | VITA 47-Class V3                |
| <b>Shock (Operating)</b>          | 20g/11 ms Half Sine      | 40g/20 ms Half Sine             |
| <b>Altitude (Operating)</b>       | -1,640 to 15,000 ft      | -1,640 to 50,000 ft             |
| <b>Relative Humidity</b>          | 90% without condensation | 95% without condensation        |

### Ordering Information

| Article          | Part-No.      | Description  |
|------------------|---------------|--|
| <b>PMC-6L-SA</b> | PMC-6L-SAB000 | PMC-6L Air-cooled commercial build, B-Type: Quad UART + 16 GPIO  |
| <b>PMC-6L-SA</b> | PMC-6L-SAH000 | PMC-6L Air-cooled commercial build, H-Type: Six UART + 8 GPIO    |
| <b>PMC-6L-SA</b> | PMC-6L-SAM000 | PMC-6L Air-cooled commercial build, M-Type: Full Model + 14 GPIO |

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#PMC-6L# 06152010MB  
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