

Dear Customer,

In this edition we are pleased to announce our newest products aimed at high-end multiprocessing applications, image-video capture and processing architectures.

The Sundance team is ready to support your next project with our range of rugged commercial off-the-shelf or bespoke products.



The [FlexTiles Platform](#) is a turn-key solution integrated into a [2U 19" Rack enclosure](#) which allows connectivity to all of the I/O functions. Ideally suited to instrumentation applications, the FlexTiles 19" rackmount system is a rugged solution which can be deployed into a variety of situations from [Telecoms to Defence and Aerospace](#).



The [DM8168 Capture Platform](#) features the highest performance Texas Instruments [DaVinci](#) processor. Based on a mixed C674x DSP + ARM Cortex-A8 cores, fixed and floating-point DSP instruction types are supported. This makes the DM8168 platform a very powerful product for 1080p/60fps video and imaging applications:

- Military and avionics imaging
- Radar and electronic warfare
- Multi-spectral imaging



The advent of PC/104 coupled to the world's fastest FPGA devices has created new opportunities for embedded systems to handle more data faster. PC/104 blades are being adopted by developers as hardware-configurable solutions for high-speed multi-core applications.

With a range of [PC/104 stackable blades](#) for any type of high-end signal processing applications, the Sundance systems offer:

- [SMT1024](#) PC/104 PSU Board with Power-over-Ethernet
- [SMT1000](#) PC/104 CPU/DSP/FPGA Carrier Board + Heat pipes for cooling
  - SMT0715 [Xilinx Zynq](#) with PCI Express
  - SMT0712 [Xilinx Artix-7](#) with PCI Express
  - SMT0741 [Xilinx Kintex-7](#) with PCI Express
- SMT-FMCxxx peripheral cards for I/O using FMC-LPC compatible VITA 57.1™ modules

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