

DATA GATE

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NEWSLETTER FOR PRIVATE CIRCULATION



DEAR CUSTOMER

TEAM DATASOL (B) Pvt Ltd takes this precious opportunity to thank all its Invaluable Customers who have extended their supporting hands for over last two decades. It is an earnest endeavor from Datasol to get technically connected with its esteemed Customers through these quarterly newsletters DATAGATE.

As time goes by, DATASOL continues to commit delivering more cost effective and optimized solutions to meet varying customer needs. We're also expanding our facilities to handle production orders.

Since inception in 1997, Datasol has been endeavoring to deliver end-to-end solutions and innovations in technology for Aerospace & Defense, Space Establishments in India & overseas. To comprehend our vision to be a leading Engineering and Product realization Company, Datasol has been associated with various niche Technologies, world class original equipment manufacturer and Diversified business verticals. Datasol proudly declares that we are in harmony with *Make in India* initiative.

With over 200 man-years of experience, Datasol positions itself as a credible partner to offer Embedded Designs, Electro-mechanical and System Engineering Services to Defense and Space Establishments.

These include capabilities in:

- Embedded Designs
- System Engineering
- Electro-Mechanical
- Retrofit or Drop in replacements

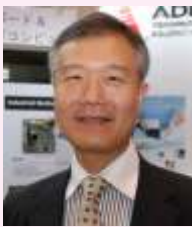
B S Suresh Kumar
Director - Marketing & Sales

Datasol has been a sincere Innovator of Technology and an open domicile to accept current day challenges like Speed, Reliability, Quality, Sustainability and Ergonomic aspects. These are some of the differentiators of Datasol with rest of the players in the industry. Datasol commitment to Innovation has resulted in bringing out various products for Inertial, Cockpit, Engine Test & Cryogenic applications, Checkout Systems, UAV's etc....

In view of growing demand and interest for the Modern Consoles, Datasol is pleased to release the next generation SMART CONSOLE for various Military applications. This product is designed with FANLESS approach to meet extreme rugged conditions and can be integrated with dual 24" Rugged Display, Touch Interface Display (TID), Conduction cooled High Performance Rugged Computer (VITA-75, HPERC or CPCI/VPX/COMe), OLED smart matrix switch, back-lit Keyboard with Trackerball or Joy Stick, as well as other controls. The SMART CONSOLE can be wall-mounting/Vehicle mounting as well as cover JSS-55555 or MIL-STD-810x NAVY / ARMY / AIR-Force standards.



MESSAGE FROM MR. DANIEL YANG, PRESIDENT ADLINK INC.



"DATASOL's Association with ADLINK goes back 18 years when we first worked together for a Compact PCI Military project. Thereafter, we have been working on many projects and appointed Datasol as a Partner, covering our full Product Range. It's been a great experience partnering with a Company which has Passion for Technology, are highly Customer-centric and value relationships. ADLINK, being the prime manufacturer of VPX, PXI, cPCI, COM-Express, PC-104 and Embedded Computers, also has a good spectrum of Data Acquisition products, all of which Datasol offers."

NEW RELEASE

We are hereby presenting the latest Technology products with high exploit-ability called HPERC (High Performance Extremely Rugged Computer), which is targeted for Console-mounted Radar, Sonar and Airborne applications. HPERC is designed to be conduction cooled, with latest 6th gen i7 Processor, 2 Flash disk modules, MXM slot for GPGPU, 10G Fiber-port and variable DC input options. This is a proven rugged product with certifications like MIL-810F, MIL-461F and MIL-704D, making it readily deployable for both air and land-based applications.



COM EXPRESS TYPE 7 Bringing 16-core Server Grade Support and 10G to COM Express

Download: http://www.adlinktech.com/PD/web/dl_publication/Model/COMExpressType7/Ing/en

Supports up to 16-core Server Grade Processors

ADLINK's first COM Express Type 7 product, the Express-BD7, is based on the Intel Xeon; processor D, available in 4, 8, 12, and 16-core versions for scalable computing performance. The Express-BD7 is suitable for space-constrained systems with increased density and reduced power consumption such as virtualization, edge computing or other numerical applications.



Ring 10GbE to COM Express

One of the most fundamental innovations of the COM Express Type 7 pinout is the support of up to four 10GbE interfaces, essential for the next generation of edge node appliances. On the module they are implemented as 10GbE-KR, i.e. as single backplane lanes according to IEEE 802.3, paragraph 49. The physical implementation of the 10GbE interfaces takes place on the carrier board itself. Developers can define the signal transmission as optical (SFP+), copper cable (T). This provides flexibility for new designs.

Application Story Download: www.adlinktech.com/PD/web/dl_publication/Model/ApplicationStory/Ing/en

ADLINK EXPANSION FANLESS EMBEDDED COMPUTER

For a High Definition Multimedia Device Inspection System

With the recent advancements in technology, it has never been easier to automate many of the more labor intensive aspects of a factory. Never is this truer than in the testing and measuring of multimedia devices like Blu-Ray DVD players, mobile phones, set-top boxes, and games consoles. Since, all of these devices have the ability to play videos and movies at a 4K2K resolution it's essential that they are thoroughly tested before quality inspection and control.



NEWS & EVENTS - IRSI - 17

Datasol is taking part in upcoming **11th International Radar Symposium India 2017 (IRSI-17)**. **12-16 Dec 2017 at NIMHANS Convention Centre, Bangalore INDIA**

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