

## **IPCCAN – small, individual and flexible**

# **Compact Industrial PC with a wide range of functions**

With the new IPCCAN, TQ Components has expanded its industrial computer line with a particularly powerful complete system. The IPCCAN is built on the successful iPCbox design: Minimum dimensions (163 mm x 135 mm x 54 mm), a high degree of compatibility and functionality united in a single system. From the successful UTX module family, you can employ numerous passively-cooled processor types by Intel or VIA (400 - 1200 MHz). The patented cooling system ensures optimum passive ventilation and hence a broad temperature range (standard: 5-45°C ambient temperature). Either Compact Flash and a 2.5" automotive-hard disk or a USB flash disk are available for mass storage.

External connections are provided by four USB 2.0 ports, a CRT and CAN (SJA1000) port, two Ethernet (10/100BaseT) ports, two PS/2 ports (keyboard, mouse) and in particular: up to six serial interfaces (2x RS-232, 2x RS-422, 2x RS-485, all galvanically isolated). The mainboard has additional connections for a USB flashdisk, a SATA HDD and LVDS. Protection against unauthorized access to the CF socket can be provided as desired.

The IPCCAN is designed both as an upright unit or for top-hat rail mounting. Extended long-term availability is ensured by tried-and-tested UTX modular technology. Windows XP Professional/Embedded or Linux (Open SUSE) operating systems are available which have been optimized to the UTX hardware.

### **Typical uses:**

- Control systems
- Transport applications
- Monitoring systems

### **Features of the TQ IPCCAN:**

- Long-term availability
- Superior quality of every component
- Large number of interfaces
- High degree of modularity (processor, memory, graphics....)
- Passive cooling; minimized noise
- Vibration-optimized electronics
- Customer-specific solutions are easy to implement

Availability: Prototypes 11/2007

Picture: IPCCAN

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#### **The TQ Group – The entire world of electronics**

The TQ Group is composed of TQ Systems, TQ Mechanics and TQ Components. Founded in 1994, the system supplier TQ Systems develops and produces electronic modules and systems according to customer specifications. In the corporate family, TQ Mechanics is responsible for mechanical production. TQ Components markets embedded systems and industrial PCs developed and produced by TQ systems. The TQ Group has over 600 employees. Overall sales attained €98 million in business year 2006/2007.

#### **Range of performance of TQ-Components**

One of the strengths of the company are the internally developed embedded TQ modules. TQ offers the entire line of controllers: In addition to 16-bit and 32-bit Infineon modules, the line includes a wide selection of Freescale, VIA and Intel-based processor boards and Xilinx FPGAs. The modules score a hit due to their minimal dimensions and long-term availability and meet high quality demands. Industrial compatibility and a longevity are a top priority at TQ.

Another important pillar of the company is industrial PCs. They set themselves apart through their sturdiness and long-term availability. The space-saving mini-industrial PCs stand out due to their high level of modularity. The customer can achieve his own individual solution without the need to acquire unnecessary product components.