MPL AG announces new Fanless 18.5" Wide Screen Panel-PC for Rugged Environments

The silent, space-saving PANEL18 is specifically designed as front-end interface for rugged, secure, or sensitive environments, where reliability and quality are important issues. The PANEL18 combines a 18.5" rugged display with excellent optical specifications, an optional touch screen, and a complete range of low power CPU based SBCs, from Single-Core Atom up to i7 Quad-Core.

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The product is designed and built for none standard environments like in Railway, Maritime, or Oil Industry applications. The 18.5" LCD with LED backlight comes with 400 cd/m2, a contrast ratio of 1500:1, and an operating temperature of -20°C up to +70°C. The resolution is 1920x1080 with an angle of view in all four directions of 85°. Optionally, the display can be equipped with capacitive Touch Technology.

The utilized embedded board computers come from the CEC or PIP Family and are 100% designed and produced by MPL AG in Switzerland. It can be chosen from various low power Intel CPUs, from Atom single-core, or up to i7 quad-core. The CEC and PIP boards used, are equipped with embedded long-term available Intel CPUs and include features like; up to five GbE ports, up to seven USB (3.0 and 2.0), up to four serial ports (RS232/485), etc.. The "All-in-One" Panel PCs can be expanded over the internal mPCIe slot with WLAN, Bluetooth, LTE, or any Fieldbus.

The front of the PANEL18 is an IP65 protected, powder coated aluminum frame. On the back are standard interfaces available (can be customized). The Solution can be equipped with M12 to be used in Railways or Maritime application, other connectors are available on request. The standard supply power is 12VDC or optionally with 9-36VDC / 48VDC or 110VDC. Like all other MPL products, the PANEL18 does not require a fan, is very flexible, and can be adjusted to the customer needs and requirements.

The robust and front IP65 protected PANEL18 is the perfect solution as man machine/front-end interface for harsh applications like in Transportation/Railways, Maritime or for any other tough industrial applications. Further as space saving, fanless and noiseless system, the PANEL18 is the ideal solution for cabinet applications in telecommunication, kiosk information systems and Internet access points. It can be used standalone or in a Thin-Client configuration in combination with a server.

The PANEL18 has been designed and developed by MPL AG, based on more then 32 years of company tradition and know-how in lowest power consumption and extended temperature operation. According to the company logo "MPL High-Tech • Made in Switzerland" all products are 100% manufactured and assembled by MPL AG in Switzerland.

For more information, please visit www.mpl.ch/t2914.html

About the Company
MPL AG is located in Switzerland and was founded in 1985. Since the beginning, MPL stands for robust designs, long-term availability, low power consumption, and fanless concepts. The products are designed from scratch to succeed in extended temperature and meeting the high demands of rugged environments.

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