

## Swiss made Rugged Premium Panel Computers - TRICOR Family

The Rugged Premium TRICOR Family currently consists of 3 different display sizes. The integrated embedded CPU board (engineered and produced by MPL in Switzerland) comes with a conductive cooling system and therefore does not require an internal fan.

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The smallest and most compact is the panel is the TRICOR12. As the name suggests, the TRICOR12 has a 12" display. Its larger brothers have either a 15" or a 20.1" screen. The Rugged Solution can be equipped with an Intel Atom, up to 9th Gen i7, or Xeon processor board, combined with a wide temperature screen. MPL engineers are taking special care to select only the best components with the lowest power consumption. The final result is an increased MTBF so that the TRICOR Family can be used for years to come without any problems. The TCO (total cost of ownership) is maximally reduced.

The screen has a brightness of up to 1000cd/m<sup>2</sup> and excellent optical specifications. The touch screen can easily be operated by hand or with an optional integrated pen.

The system is designed with a military grade, high strength, and lightweight housing (SWaP-C). The enclosure meets IP54/IP69 all around. Its modular and flexible architecture allows the system easily to be configured with nearly any option (GPS, 1553, WLAN, LTE...). Additional function keys for faster operation of the system can be implemented. Details such as the pressure valve or the possibility of an additional input voltage module underline the premium demand.

The interface plugs (e.g. 38999) can be made available on any side, depending customer requirements. The system can be installed in a cabinet or VESA mounted and has an extended temperature range from -20°C up to +70°C.

In the current solution, the customer gets access to audio and DVI behind a sealed flap. The direct accessible interfaces on 38999 connector are in this case USB, LAN and serial lines. Other configurations and interfaces are easy possible.

Main features are:

- Space-saving, integrated All-in-One solution
- Fanless design (noiseless)
- VESA / wall mounting / control cabinet installation
- Wide selection of processors (Intel Atom up to 9th Gen i7 & Xeon)
- Operating temperature range -20°C to +70°C
- Wide input voltage range 10-36VDC or 115V/230VAC (e.g. MIL-STD-1275, others on request)
- Highly configurable and customizable (M-COTS)

All MPL products are designed for long-term availability and the TRICOR Family will be available for at least 10 years. MPL's own component stock guarantees repairs. The system meets or even exceeds typical standards like MIL-STD-810, MIL-STD-461, MIL-STD-1275.

For more specific information, please visit [www.mpl.ch/t2930.html](http://www.mpl.ch/t2930.html) or contact MPL AG directly.

### About the Company

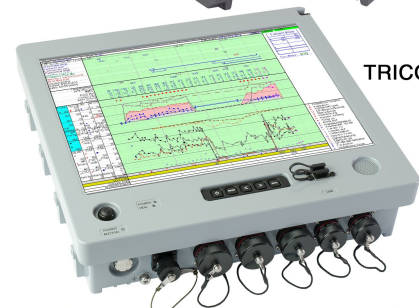
MPL AG is located in Switzerland and was founded in 1985. Since the beginning, MPL stands for robust designs, long-term availability, low power consumption, and fanless concepts. The products are designed from scratch to succeed in extended temperature and meeting the high demands of rugged environments.

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TRICOR12



TRICOR15



TRICOR20