

# CIPAM

## Configurable Isolated Physiological Acquisition Module - OEM board

The best solution to integrate full patient monitoring parameters into your devices.

One of Mennen Medical's most innovative developments is the CIPAM, a cutting edge high-quality technology. A total low power solution of hemodynamic system as an OEM board that provides host devices with all physiological signals required for patient monitoring. The CIPAM technology has been awarded by Frost & Sullivan as the European Patient Monitoring Technology Leadership.

The board can include the following parameters:

- 3, 5 or 12 lead ECG, Heart Rate
- ST and Arrhythmia detection
- Respiration and apnea detection
- Temperature measurement
- Non Invasive Blood pressure measurement
- SpO2 and pulse rate
- 2 or 4 Invasive Blood Pressure inputs
- Cardiac Output – by thermal dilution
- EtCO2



Thanks to its Universal Input Connector – UIC, the CIPAM board offers the option of interfacing with devices such as ventilators, anesthesia machines, CCO devices, anesthesia gas sensors, anesthesia machines and other medical devices, allowing to show vital signs parameters on the host's display.

The board sends to the host device real time waveforms of all patient vital signs and sends every second the numeric values of heart rates, blood pressures, oxygen saturation, temperature, etc.

The board uses low voltage with low power consumption and its dimensions are only 190mm x 145mm x 35mm, constituting an ideal solution for device manufacturers that want to include full patient monitoring into their products.

The CIPAM board is isolated to ensure patient safety and can be incorporated into any host device, and patient cables can be selected by the host device manufacturer.

The CIPAM sends data to the host device using the standard Local Area Network – LAN wiring and protocol simplifying the interface to host devices.

This innovative and high-quality OEM board is already being used in CE and FDA approved medical monitors and Cathlab devices.

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