

e-medical™ Silence ST-I



Small. Powerful. Fanless.

The latest **e-medical™ Silence ST-I** MIDI PC is our solution for all applications where you need dust and water protection. Thanks to the EPDM-sealed full metal housing, the e-medical™ Silence ST-M is protected from 5 sides, according to IP65, rear side: IP50 / DIN EN 60529 and ISO 20653. In addition, the e-medical™ Silence ST-I can be used in temperature environments from 0 to +45°C and a relative humidity of 90%. There is a pressure equalisation element to ensure tightness under all working conditions. The aluminium full metal housing is protected against electromagnetic interference (EMI) and the EPDM seal is made of electrically conductive material.

There is no appreciable ageing effect / many chemicals (including disinfectants) do not harm the housing or the seals. The RS232 and RJ45 interfaces are galvanically isolated and insulated up to 5 kV. Last but not least, the e-medical™ Silence ST-I is insensitive to mechanical vibrations and shocks: The processor is soldered down to the board and the RAM socket and the cable entries are mechanically protected.

Benefits:

- Intel i5 10th Gen. CPU
- 1x m.2 SSD
- Dust- and Waterproof from 5 sides according to IP65
- Fanless & quiet
- Integrated isolated IOs:
1x RS232, 1x RJ45



Technical data

e-medical™ Silence ST-I

Processor	Intel Core i5 10500T
Mainboard	GA-IMB410TN (rev. 1.0) / Intel® H410 Express Chipset
RAM	2x 4 GB DDR4 (max. 32 GB)
Hard drive	250 GB Samsung SSD, m.2
Graphics	<p>Integrated Graphics Processor-Intel® HD Graphics support:</p> <ol style="list-style-type: none"> 1 x D-Sub port (Optional and share with one HDMI1.4 Port, Default support HDMI) 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz * Support for HDMI 2.0 version, HDCP 2.2, and HDR. 2 x HDMI 1.4a, supporting a maximum resolution of 4096 x 2160@30 Hz <p>Support for up to 2 displays at the same time Maximum shared memory of 1 GB</p>
Compatible OS	MS Windows 10 Home/Pro/Enterprise, MS Windows 10 IoT Embedded Enterprise, Ubuntu Linux
External interfaces rear	4x USB 3.0, 2x RJ45 (Intel GLAN), 3x HDMI, 2x audio, additional IOs: 1x RS232 (DB9), 5kV isolation for min. 1Min 1x RJ45 (Intel GLAN) with integrated isolator (Baaske MI1005E)
WLAN	Intel dual-band WLAN module 802.11 b/g/n/ac with 2x combo antenna for 2.4 and 5GHz, 5dBi
Power supply	Power in DC input 12 V, 5.5 x 2.5 mm plug (standard), or wide range input: 19-24 V DC
Power consumption	Idle 10W, 100% load ~45 W
Cooling system	Heatpipe cooling system
Case	All-aluminum heat sink profile housing, black anodized, front panel natural anodized
Dimensions	218 x 222 x 77 mm
Mounting possibilities	VESA bracket & DIN rail DIN-/ Wall mounting bracket
Weight	2 kg
Temperature	0 to 45°C (operation)
Humidity	90% rel. air humidity
Protection class	IP65 protection class on 5 sides (rear side without additional IP protection)
Standards	CE, RoHS
Item no.	2012643