

e-medical™ Silence ST-M(i)



Small. Powerful. Fanless.

The latest **e-medical™ Silence ST-M(i)** Mini 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(i) is protected from 5 sides, according to IP65. In addition, the e-medical™ Silence ST-M(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 (4 kV for RS232) and (5 kV for RJ45). Last but not least, the e-medical™ Silence ST-M(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-M(i)

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|---------------------------------|--|
| Processor | Intel Core i5 10500T (Comet Lake) |
| 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 | Integrated Graphics Processor-Intel® HD Graphics support: <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 <ul style="list-style-type: none"> * 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 Support for up to 2 displays at the same time Maximum shared memory of 1 GB |
| 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) insulated up to 4kV, 1x RJ45 (Intel GLAN) with integrated isolator (Baaske MI1005E) insulated up to 5kV |
| 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, IEC 60601-1-2 |
| Item no. | 2012643 |