



## Features:

Optional Intel 4th/5/6/7/8/10/11/12/13th Gen Core i3/i5/i7 CPU

Gen 4/5 - 1xDDR3L SODIMM, max 8GB

Gen 6/7/8/10/11 - 2xDDR4 SODIMM, max 64GB

Gen 12/13 - 2xDDR5 SODIMM, max 64GB

6 \* COM serial ports (4 of which support RS485/RS442)

One-key restore, watchdog, diskless boot

low power fanless

Industrial grade working temperature -20℃~60℃

All connectors on-board

## Model: SM04

| PC           |                                                                                                                                            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| CPU          | Intel® Core i5-4278U, 2 Cores, 4 Threads, Base 2.6GHz, Turbo 3.1GHz, Fanless                                                               |
| CPU Optional | Intel® Core i7-4578U, 2 Cores, 4 Threads, Base 3GHz, Turbo 3.5GHz, Fanless                                                                 |
| CPU Optional | Intel® Core i3-6157U, 2 Cores, 4 Threads, Base 2.4GHz, Turbo 3.0GHz, Fanless                                                               |
| CPU Optional | Intel® Core i5-7287U/7267U, 2 Cores, 4 Threads, Base 2.3GHz, Turbo 3.6GHz, Fanless                                                         |
| CPU Optional | Intel® Core i7-7560U, 2 Cores, 4 Threads, Base 2.7GHz, Turbo 3.5GHz, Fanless                                                               |
| CPU Optional | Intel® Core i5-8260U, 4 Cores, 8 Threads, Base 2.6GHz, Turbo 4.2GHz, Fanless                                                               |
| CPU Optional | Intel® Core i7-8560/8569U, 4 Cores, 8 Threads, Base 2.8GHz, Turbo 4.7GHz, Fanless                                                          |
| CPU Optional | Intel® Core i5-10210U/10310I, 4 Cores, 8 Threads, Base 1.6GHz, Turbo 4.2GHz, Fanless                                                       |
| CPU Optional | Intel® Core i7-10610U/10810U, 6 Cores, 12 Threads, Base 1.1GHz, Turbo 4.7GHz, Fanless                                                      |
| CPU Optional | Intel® Core i5-1135G7, 4 Cores, 8 Threads, Base 2.4GHz, Turbo 4.2GHz, Fanless                                                              |
| CPU Optional | Intel® Core i7-1165G7/1185G7/1195G7, 4 Cores, 8 Threads, Base 2.8GHz, Turbo 4.7GHz, Fanless                                                |
| CPU Optional | Intel® Core i5-1235U/1245U, 10 Cores(Performance-core 2, Efficient-core 8), 12 Threads, Turbo frequency 4.4 GHz, Fanless                   |
| CPU Optional | Intel® Core i7-1265U/1255U, 10 Cores(Performance-core 2, Efficient-core 8), 12 Threads, Turbo frequency 5.0 GHz, Fanless                   |
| CPU Optional | Intel® Core i5-1335U, 10 Cores(Performance-core 2, Efficient-core 8), 12 Threads, Turbo frequency 4.4 GHz, Fanless                         |
| CPU Optional | Intel® Core i7-1355U, 10 Cores(Performance-core 2, Efficient-core 8), 12 Threads, Turbo frequency 5.0 GHz, Fanless                         |
| CPU Optional | Intel® Core i7-1370P, 10 Cores(Performance-core 2, Efficient-core 8), 12 Threads, Turbo frequency 5.0 GHz, Fanless                         |
| Memory       | 4gen/5gen 1xDDR3L SODIMM, Max 8G<br>6/7 gen 1xDDR4 SODIMM, Max 16G<br>8/10/11gen 2xDDR4 SODIMM, Max 64G<br>12/13gen 2xDDR5 SODIMM, Max 64G |

|                              |                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage                      | 1x MSATA<br>1x M.2 NVME 2280(6/7/8/10/11/12gen Supports)<br>1x HDD/SSD                                                                                                                                                                                                                                                                       |
| Display                      | 1x HDMI, 1x VGA                                                                                                                                                                                                                                                                                                                              |
| Network                      | 2 x GbE RJ45 Intel i211/i210, 12gen be with 2 x GbE RJ45 Intel i229                                                                                                                                                                                                                                                                          |
| I/O                          | 4x USB3.0/3.2, 2x USB2.0, 6x DB9 COM (4 of them support RS485/RS422), 1x HDMI, 1x VGA, 1x PS2 (keyboard and mouse combo), 14x GPIO (7 inputs, 7 outputs), 1x Power Button, 1 x Reset Button, 1 x Clear CMOS Button, 1x 3pin Phoenix, support 9-36V power input, 1x Headphone Jack, 1x Microphone, 1x ATX/AT, 2x Antenna Ports for WIFI/3G/4G |
| Expansion Slot               | 1x Mini-PCle half card, supports WIFI Bluetooth<br>1x Mini-PCle full card (with SIM card holder), support 3G/4G module, WIFI Bluetooth<br>1x Expand IO, support LPC, USB, PCIE                                                                                                                                                               |
| BIOS                         | AMI EFI BIOS                                                                                                                                                                                                                                                                                                                                 |
| WDT                          | Support hardware reset (256 level, 0-255 sec)                                                                                                                                                                                                                                                                                                |
| Operation System             | Windows® 7/8/10, WES 7/10, LINUX                                                                                                                                                                                                                                                                                                             |
| <b>Power Supply</b>          |                                                                                                                                                                                                                                                                                                                                              |
| External Power Supply        | AC 100 - 240V                                                                                                                                                                                                                                                                                                                                |
| Working voltage              | DC 9-36V                                                                                                                                                                                                                                                                                                                                     |
| Power consumption            | ≤20W                                                                                                                                                                                                                                                                                                                                         |
| <b>Enclosure</b>             |                                                                                                                                                                                                                                                                                                                                              |
| Material                     | Aluminum Alloy                                                                                                                                                                                                                                                                                                                               |
| Color                        | Black                                                                                                                                                                                                                                                                                                                                        |
| <b>Operating Environment</b> |                                                                                                                                                                                                                                                                                                                                              |
| Temperature Range            | Operating: -20 to 60°C, Storage: -30 to 70°C, surface air flow                                                                                                                                                                                                                                                                               |
| Relative humidity            | 10%~95% , non-condensing                                                                                                                                                                                                                                                                                                                     |
| <b>Packing Details</b>       |                                                                                                                                                                                                                                                                                                                                              |
| Net weight                   | 2 kg                                                                                                                                                                                                                                                                                                                                         |
| Gross weight                 | 3 kg                                                                                                                                                                                                                                                                                                                                         |
| Product Dimension            | 240 x 150 x 65 mm                                                                                                                                                                                                                                                                                                                            |
| Packing size                 | 30*20*15cm                                                                                                                                                                                                                                                                                                                                   |
| Accessories                  | Power adapter, Driver CD, 2.5-inch hard drive bracket, Screws                                                                                                                                                                                                                                                                                |
| <b>Other</b>                 |                                                                                                                                                                                                                                                                                                                                              |
| Mounting (options)           | Embedded mount                                                                                                                                                                                                                                                                                                                               |
|                              | Wall mounting                                                                                                                                                                                                                                                                                                                                |
| Warranty                     | 2 years warranty                                                                                                                                                                                                                                                                                                                             |

