

## TANGO-7010

## Compact Size



## Features

- » Compact Industrial Mini PC
- » Smart Fan system
- » 12th Intel® Core™ i Processors
- » Triple 2.5GbE LAN
- » Built-in Wi-Fi 6E & Bluetooth 5.2 module (internal antenna)

## Specifications

| Form factor                 |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| SBC Form Factor             | » CPU: 12th Intel® Core™ i Processors                                  |
|                             | » Chipset: H610                                                        |
|                             | » System Memory: 2 x SODIMM 3200MHz DDR4, 8GB pre-installed up to 64GB |
|                             | » Power: DC Jack: 12V DC                                               |
|                             | » Consumption: 12V@2.95A (Intel® Core™ i7-12700TE with 8GB memory)     |
| I/O Interface               |                                                                        |
| I/O Ports                   | » USB:                                                                 |
|                             | 2 x USB3.2 Gen2                                                        |
|                             | 2 x USB3.2 Gen1                                                        |
|                             | » Ethernet:                                                            |
|                             | 3 x RJ-45 2.5 GbE by I225V controller                                  |
|                             | » Display:                                                             |
|                             | 2 x HDMI™ 2.0B Support CEC (up to 4k@ 60Hz)                            |
|                             | 1 x DP 1.4 (up to 4k@ 60Hz)                                            |
|                             | » COM Port:                                                            |
|                             | 1x RS-232 (DB9)                                                        |
|                             | 1x RS-232/422/485 (DB9)                                                |
|                             | » TPM:                                                                 |
|                             | Support Intel PTT                                                      |
|                             | » Wireless/Bluetooth:                                                  |
|                             | INTEL AX210 WiFi 6E & Bluetooth 5.2 Module built-in 2T2R antenna       |
|                             | » Watchdog Timer:                                                      |
|                             | Programmable 1 ~ 255 sec/min                                           |
| Expansion Slots             |                                                                        |
| Expansion Slots             | » M.2:                                                                 |
|                             | 1 x 2230 E-key (PCIe Gen3 x1/USB2.0) (preinstalled WIFI Module)        |
|                             | 1 x 2280 M-key (PCIe Gen4 x4)                                          |
|                             | 1 x 2280 M-key (PCIe Gen3 x4)                                          |
| System                      |                                                                        |
| Cooling method / System Fan | Smart Fan                                                              |
| Drive Bays                  | 1 x 2.5" SATA 6Gb/s HDD/SSD bay                                        |
|                             | (support up to 9.5 mm SSD)                                             |
| Indicator&Buttons           |                                                                        |
| Buttons                     | 1 x Power button(with LED)                                             |

|                          |                                                          |
|--------------------------|----------------------------------------------------------|
|                          | 1 x Reset button                                         |
| Indicators               | 1 x Power LED                                            |
| Physical Characteristics |                                                          |
| Construction             | ABS Plastic + Aluminum                                   |
| Color                    |                                                          |
| Color                    | Black C & grey (Pantone 430C)                            |
| Dimensions               |                                                          |
| Dimensions               | 192.09 x 158 x 64 (mm)                                   |
| Weight                   |                                                          |
| Weight                   | 1.29 / 2.34kg                                            |
| Environment              |                                                          |
| Operating Temperature    | 0°C ~ 40°C with 0.7M/S air flow (SSD)                    |
| Humidity                 | 10% ~ 95% non-condensing                                 |
| Operating Vibration      | 10-500 Hz, 1.04 Grms, random, 1 hr/axis (SSD)            |
| Operating Shock          | Half-sine wave shock 5G, 11ms, 100 shocks per axis (SSD) |
| Safety & EMC             | CE/RED/FCC/UKCA/ compliant                               |
| OS Support               |                                                          |
| OS Support               | Microsoft® Windows® 10/11, Linux                         |

## Ordering Information

|                                           |                                                                                                                                                                                 |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TANGO-7010-i9AWC-R10                      | Fan System with Intel® Core™ i9-12900TE 1.1 GHz (up to 4.8 GHz, 16-core, TDP 35W), 1 x 8GB DDR4 pre-installed, 3 x 2.5GbE LAN, 2 x HDMI, 1 x DP, 4 x USB, 12V DC, Wifi-6E, RoHS |
| TANGO-7010-i7AWC-R10                      | Fan System with Intel® Core™ i7-12700TE 1.4 GHz (up to 4.6 GHz, 12-core, TDP 35W), 1 x 8GB DDR4 pre-installed, 3 x 2.5GbE LAN, 2 x HDMI, 1 x DP, 4 x USB, 12V DC, Wifi-6E, RoHS |
| TANGO-7010-i5AWC-R10                      | Fan System with Intel® Core™ i5-12500TE 1.9 GHz (up to 4.3 GHz, 6-core, TDP 35W), 1 x 8GB DDR4 pre-installed, 3 x 2.5GbE LAN, 2 x HDMI, 1 x DP, 4 x USB, 12V DC, Wifi-6E, RoHS  |
| TANGO-7010-i3AWC-R10                      | Fan System with Intel® Core™ i3-12100TE 2.1 GHz (up to 4 GHz, quad core, TDP 35W), 1 x 8GB DDR4 pre-installed, 3 x 2.5GbE LAN, 2 x HDMI, 1 x DP, 4 x USB, 12V DC, Wifi-6E, RoHS |
| TANGO-7010-W10IoT21-V-R10<br>[Peripheral] | OS Image with Windows® 10 Enterprise Value 64-bit 2021 LTSC for TANGO-7010 i3 & i5 Series, with DVD-ROM, RoHS                                                                   |
| TANGO-7010-W10IoT21-H-R10<br>[Peripheral] | OS Image with Windows® 10 Enterprise High End 64-bit 2021 LTSC for TANGO-7010 i7 & i9 Series, with DVD-ROM, RoHS                                                                |

## Packing List

|                    |                       |
|--------------------|-----------------------|
| 1 x Mounting Screw | 1 x VESA Mounting Kit |
| 1 x Adapter        | 1 x Power Cord        |