

# Technical data

|                                         |                                                                                                                                                                                                                        | MES9016           | MES9019           | MES9024          |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|------------------|
| Display                                 | Resolution                                                                                                                                                                                                             | 15.6" TFTFull HD  | 18.5" TFTFull HD  | 23.8" TFTFull HD |
|                                         | Brightness                                                                                                                                                                                                             | 450 Nits (typ.)   | 500 Nits (typ.)   | 250 Nits (typ.)  |
|                                         | Contrast ratio                                                                                                                                                                                                         | 800:1(typ.)       | 1000:1(typ.)      | 1000:1(typ.)     |
|                                         | Displayable colors                                                                                                                                                                                                     | max. 16.2Mio.     | max. 16.7Mio.     | max. 16.7Mio.    |
| Touch                                   | PCAPmulti-touch (glove-operated)                                                                                                                                                                                       |                   |                   |                  |
| Housing                                 | Die-cast aluminum housing, powder coated                                                                                                                                                                               |                   |                   |                  |
| Cooling                                 | Passive cooling, fanless                                                                                                                                                                                               |                   |                   |                  |
| Processor                               | Intel®Celeron®4305UE 2,0 GHz dual-core<br>Intel®Core™i5-8365UE 1,6GHz quad-core                                                                                                                                        |                   |                   |                  |
| RAM                                     | Up to 32 GB DDR4 RAM                                                                                                                                                                                                   |                   |                   |                  |
| Mass storage                            | 1x 128 GB M.2 SSD<br>1x 256 GB M.2 SSD<br>2 x 128 GB M.2 SSD, configurable as RAID<br>2 x 256 GB M.2 SSD, configurable as RAID                                                                                         |                   |                   |                  |
| Interfaces                              | 4 x USB 3.1Gen. 2<br>3 x Ethernet (10/100/1000Mbit/s)<br>1x DisplayPort++ (1.2)<br>1x Smartcard-Reader for ADS-TECBig-LinX                                                                                             |                   |                   |                  |
| Optional interfaces                     | 1x Hilscher netJACK-Slot for fieldbusintegration1<br>1x HDBaseTinterface (transmitter)<br>1x USBin the front<br>1x integrated antenna for Wi-Fi-/Bluetooth module<br>1x integrated antenna in the front for RFIDmodule |                   |                   |                  |
| Button                                  | 1capacitive ON/OFFbutton on the front side                                                                                                                                                                             |                   |                   |                  |
| Supply socket & digital I/Os            | 24 V DC version: 1x 5-pol. supply with 1x dig. IN / 1x dig. OUT<br>230 V AC version: 1x 2-pol. supply / 1x 2-pol. digital IN                                                                                           |                   |                   |                  |
| Power supply (integrated power adapter) | 24 V DC +/- 20 %<br>230 V AC (incl. detachable 5 meter power supply cable with Schuko plug)                                                                                                                            |                   |                   |                  |
| Operating system                        | Windows 11IoT Enterprise 2024 LTSC<br>Windows 10IoT Enterprise 2021LTSC<br>IGEL Linux                                                                                                                                  |                   |                   |                  |
| Fixing                                  | VESA100sockets in back housing<br>Optional: support arm adapter for mounting on the back housing                                                                                                                       |                   |                   |                  |
| Protection class                        | IP65 (front)<br>IP65 (back side when using IP65 kit, which can be ordered separately, or when using the mounting arm adapter)                                                                                          |                   |                   |                  |
| Operating temperature                   | 0 °C to +40 °C                                                                                                                                                                                                         | 0 °C to +40 °C    | 0 °C to +40 °C    |                  |
| Dimensions in mm (W x H x D)            | 400 x 270 x 80 mm                                                                                                                                                                                                      | 465 x 310 x 80 mm | 575 x 370 x 80 mm |                  |
| Weight (without supplies)               | approx. 5,0 kg                                                                                                                                                                                                         | approx. 6,0 kg    | approx. 8,0 kg    |                  |

1 Profibus, CANopen, DeviceNET, CC-Link, EtherCAT, EtherNet/IP, Modbus, POWERLINK, PROFINET, VARAN, Sercos