# SIEMENS

## Data sheet                                                    6ES7730-1AC10-0AC0

SIMATIC IPC MD-57A 15.6" display Full HD (1920x 1080); Wi-Fi 6E Bluetooth V5.3 2x USB-C Gen 4; 3x USB-A Gen 3.2 x 2 1x USB-A Gen 2 2x RJ45 1GbE 1x HDMI 1.4b Intel® Core i7-12800HE processor (20 threads, 24 MB cache, up to 4.60 GHz) Intel® Iris® Xe graphics eligible 64 GB DDR5 SDRAM SO-DIMM 1 TB power supply cord with power plug: Europe; keyboard: QWERTZ without slider Windows 11 IoT Enterprise (version 22H2) 64-bit STEP 7 & WinCC & Safety Combo: STEP 7 Professional Combo (V19 & 2021 SR2), WinCC Advanced V19 &, Safety Advanced Combo (V19 & Distributed V5.4 SP5) n/a

| General information | |
|---|---|
| Design of the programming device | Mobile computer |
| **Display** | |
| Design of display | 15.6" full HD display in 16:9 format |
| Screen diagonal | 15.6 in |
| Resolution (pixels) | |
| ● Horizontal image resolution | 1 920 pixel |
| ● Vertical image resolution | 1 080 pixel |
| General features | |
| ● Non-reflecting | Yes |
| ● Luminance | 300 cd/m² |
| Backlighting | |
| ● Type of backlighting | LED |
| **Control elements** | |
| Touch operation | |
| ● Integrated touch pad | Yes |
| **Supply voltage** | |
| Rated value (DC) | 19 V |
| permissible range, lower limit (AC) | 100 V; ±10 %, sinusoidal |
| permissible range, upper limit (AC) | 240 V; ±10 %, sinusoidal |
| Line frequency | |
| ● permissible range, lower limit | 47 Hz |
| ● permissible range, upper limit | 63 Hz |
| **Processor** | |
| Hyper-threading | Yes |
| Turbo Boost Technology 2.0 | Yes |
| **Graphic** | |
| Graphics controller | Intel® Iris® Xᵉ Integrated Graphics Controller |
| **Drives** | |
| CD-RW | No |
| DVD-ROM | No |
| DVD-RW | No |
| Hard disk | No |
| SSD | Yes |
| ● Memory capacity | 512 Gbyte; Up to 2 TB SSD |
| TPM Security Chip | Yes |
| **Memory** | |
| Work memory | |
| ● Number of slots | 2 |
| **Accumulator** | |
| Replaceable | Yes |
| Capacity | 8 A·h |
| **Interfaces** | |
| Number of interfaces PROFIBUS DP | 1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud |
| Number of RS 232 interfaces | 1 |
| Number of USB interfaces | 6 |

| | |
|---|---|
| ● Type A | 4 |
| ● Type C | 2 |
| Number of chip-card readers | 1; Smart Card Reader (ISO/IEC 7816) |
| MPI | Yes |
| Bluetooth radio standard | Yes; V5.3 |
| Multimedia card/SD card slot | 2 in 1 (SDHC UHS-II, MMC) |
| Card reader for SIMATIC memory cards | SIMATIC memory cards (for S7-300/400), SMC (for S7-1x00), SIMATIC micro memory card (for S7-300/C7/ET 200) - including programming interfaces |
| Universal Audio Jack | No |
| **Video interfaces** | |
| ● analog video signal (VGA) | Yes |
| ● DVI-I | Yes |
| ● DisplayPort | Yes |
| **Industrial Ethernet** | |
| ● Industrial Ethernet interface | 2x Ethernet (RJ45) |
| — 100 Mbps | Yes |
| — 1000 Mbps | Yes; Gigabit Ethernet; 2x RJ45 with 2 independent MAC/IP addresses |
| ● Wake on LAN | Yes |
| ● IAMT (Intel Active Management Technology) | Yes |
| **EMC** | |
| **Interference immunity against discharge of static electricity** | |
| ● Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 | Yes; ±4 kV contact discharge acc. to IEC 61000-4-2, ESD; ±8 kV air discharge acc. to IEC 61000-4-2, ESD |
| **Interference immunity to cable-borne interference** | |
| ● Interference immunity on supply cables | ±2 kV (according to IEC 61000-4-4, burst); ±1 kV (according to IEC 61000-4-5, surge pulse/line to line); ±2 kV (according to IEC 61000-4-5, surge pulse/line to ground) |
| ● Interference immunity on signal cables | ±1 kV (according to IEC 61000-4-4, burst, length < 30 m); ±2 kV (according to IEC 61000-4-4, burst, length > 30 m); ±2 kV (according to IEC 61000-4-5, surge sym./line to ground, length > 30 m) |
| **Degree and class of protection** | |
| IP degree of protection | IP30 |
| **Standards, approvals, certificates** | |
| CE mark | Yes |
| CSA approval | Yes |
| UL approval | Yes |
| DIN/ISO 9001 | Yes |
| **Ambient conditions** | |
| **Ambient temperature during operation** | |
| ● min. | 5 °C; Max. 10 °C/h (no condensation) |
| ● max. | 40 °C; Max. 10 °C/h (no condensation) |
| **Ambient temperature during storage/transportation** | |
| ● min. | -20 °C; Max. 20 °C/h (no condensation) |
| ● max. | 60 °C; Max. 20 °C/h (no condensation) |
| **Relative humidity** | |
| ● Operation, min. | 5 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14 |
| ● Operation, max. | 85 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14 |
| **Vibrations** | |
| ● Operation, tested according to IEC 60068-2-6 | Yes |
| **Shock testing** | |
| ● tested according to IEC 60068-2-27 | Yes |
| ● tested according to IEC 60068-2-29 | No |
| **Operating systems** | |
| Local language of operating system | Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese) |
| **pre-installed operating system** | |
| ● Windows 11 | Yes; Windows 11 IoT Enterprise (version 22H2) |
| **Software** | |
| **Preinstalled** | |
| ● STEP 7 Professional (TIA Portal) | Yes |
| ● STEP 7 | Yes |

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|---|---|
| ● WinCC flexible Advanced 2008 | Yes; Software version: SP5 |
| ● WinCC Advanced (TIA Portal) | Yes |
| ● STEP 5 | No |
| **Mechanics/material** | |
| Material of housing | metal |
| Handle | Yes; retractable |
| Socket for Kensington lock | Yes |
| rubber corner guards | Yes |
| **Dimensions** | |
| Width | 386 mm |
| Height | 41 mm |
| Depth | 281 mm |
| **Weights** | |
| Weight, approx. | 2.8 kg; incl. rechargeable battery |
| **Scope of supply** | |
| Accumulator | Yes |
| Power supply | Yes |
| Backpack | Yes |
| SIMATIC Software | Yes |
| Recovery media | Yes; Restore & Recovery |
| **Other** | |
| free hotline | Yes |
| Note: | Made in Germany: development and production in Germany |

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|---|---|
| **last modified:** | 7/26/2024 ↗ |

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