

Tensor-I22



Powerful. Silent. Industrial Edge Performance Redefined.

| Category | Specification |
|--------------------------|--|
| Product Name | Tensor-I22 Industrial IoT Edge Computer |
| CPU Options | Intel® Core i7-1185G7E (4C, 1.8/2.8GHz → 4.4GHz, 15/28W) Intel® Core i5-1145G7E (4C, 1.5/2.6GHz → 4.1GHz, 15/28W) Intel® Celeron 6305E (2C, 1.8GHz, 15W) |
| CPU Architecture | Intel Core (Tiger Lake UP3) |
| Memory | 2× SO-DIMM DDR4 (up to 3200 MT/s), up to 64GB RAM |
| Storage | Up to 3× NVMe/SATA devices (multiple M.2 + optional TEL expansions) |
| Display Outputs | 2× HDMI 1.4b (3840×2160 @30Hz) • 2× Mini-DP 1.2 (4096×2160 @60Hz) – 4 independent displays |
| Ethernet | Up to 4× GbE RJ45 , optional 2× SFP+ optical LAN, optional 2× PoE (15W each) |
| Wireless | M.2 Key-E (Wi-Fi 6E / BT 5.2) • M.2 Key-B (LTE / 5G) |
| USB | Up to 12× USB ports (4× native, up to 8× via TEL modules) |
| Serial / GPIO | Up to 20× RS-232/RS-485 or 40+ isolated GPIOs (via expansion modules) |
| Audio | Optional analog audio (TEL-AUDIO) |
| Power Input | 12V (standard) or 12–56V wide-range industrial input |
| TPM | Intel PTT (TPM 2.0), optional discrete TPM 2.0 |
| Operating Systems | Windows 10/11, Windows IoT Enterprise LTSC 2021, Linux Mint, Ubuntu |
| Operating Temps | 0–45°C (Commercial), –20 to 65°C (Extended), –40 to 65°C (Industrial) |
| Cooling | Fanless, passive cooling |
| Dimensions | 200 × 200 × 35.3 mm (standard housing) |
| Mounting | Side/bottom VESA, DIN-rail |

CPU Options

| Feature | i7-1185G7E | i5-1145G7E | Celeron 6305E |
|-------------|---|----------------------------------|----------------------------|
| Cores | 4 | 4 | 2 |
| Base Clock | 1.8/2.8 GHz | 1.5/2.6 GHz | 1.8 GHz |
| Boost Clock | 4.4 GHz | 4.1 GHz | – |
| TDP | 15/28W | 15/28W | 15W |
| vPro | Yes | Yes | No |
| Target Use | High-performance edge AI, multi-display | Industrial computing, networking | Basic automation, gateways |