



QBiX-Pro-ADLA1255H-A1

Industrial system with Intel® Core™ i7-1255U Processor/ Fanless Design / Dual Channel DDR4 up to 64GB/ 2 x HDMI

Key Features

- System Size : 178W x 125D x 52.7H (mm)
- Intel® Core™ i7-1255U Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x HDMI for Dual display
- 2 x 2.5GbE LAN Ports

Application

- Embedded & Industrial Applications
- Factory Automation
- IoT System
- KIOSK/POS
- Healthcare

SPECIFICATION

Specification

Dimension	178W x 125D x 52.7H(mm)
CPU	Intel® Core™ i7-1255U Processor 10nm Enhanced Superfin (Intel 7), 10 cores, 12 threads, up to 4.7 GHz
Socket	1 x FCBGA1744
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 64 GB Support Dual Channel DDR4 3200 MHz memory modules
Ethernet	2 x 2.5GbE LAN Ports (Intel® I226V)
Graphic Support	Integrated Graphics Processor - Intel® Iris® X ^e Graphics: 2 x HDMI 2.0 ports, supporting a maximum resolution of 4096x2160 @60Hz (2 independent display outputs)
Audio	Realtek® Audio Codec
Storage	1 x 2.5" HDD/SSD (SATA 6Gb/s)
Expansion Slots	1 x 2280 M.2 M-Key (PCIe Gen 4x4, SATA 6Gb/s) 1 x 2230 M.2 E-Key 1 x Full-size Mini PCIe with SIM slot
Front I/O	2 x RJ45 LAN Ports 4 x USB 3.2 Gen 2x1 2 x HDMI 1 x Power button with LED 1 x HDD LED 1 x COM Port (RS-232/422/485 & RI/5V/12V)
Rear I/O	2 x USB 2.0 2 x COM Ports (RS-232/422/485) 1 x GPIO (8 bits) 1 x Headphone Jack 1 x 3-pin Terminal block
Side I/O	2 x External Antenna Holes (Optional)
Power	+12V~36VDC (Full Range)
Operation Temperature	Operating temperature: 0°C to 50°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing) Use wide temperature range memory and storage
Vibration During Operation	Operation: IEC 60068-2-64, 5 Grms, random, 5 ~ 500 Hz, 1 hr / Per Axis, With SSD/M.2 2280 Non-operation: IEC 60068-2-6, 2 G, Sine, 10 ~ 500 Hz, 1 Oct/min, 1 hr / Per Axis
Shock During Operation	Operation: IEC 60068-2-27, 50 G, half sine, 11 ms duration, With SSD

Packaging Content	Carton size: 505 x 333 x 231 (mm) Packing Capacity: 5pcs Single Box size: 313 x 191 x 95 (mm) Including: Screw I Head for 2.5" HDD M3x8L x 4 (P/N: 25KSG-130081-K1R) Thermal Pad for Memory x 1 (P/N: 25ST3-200086-T5R) SATA Cable x 1 (P/N: 25CRI-070000-S9R) Terminal Blocks Male Plug x 1 (P/N: 25IO0-5ESDV0-D2R)
Order Information	6BQP1255AMR-SI (Box Packing)
Optional Kit	TPM 2.0 module P/N: 9CTM010NR-00 TPM Cable P/N: 25CRZ-100600-S9R