Embedded board Intel Atom x6425E SBC-SMARC-EKT

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Windows, Linux



KEY FEATURES

- Atom® x6425E Processor, 4C4T, 2.0GHz (base), 3.0GHz (turbo)
- Celeron® J6412 Processor, 4C4T, 2.0GHz (base), 2.6GHz (turbo)
- 4GB LPDDR4 (up to 16GB)
- 64GB eMMC V5.1 (up to 256GB)
- Up to 3 screens via HDMI, eDP/LVDS, DP++
- 2×1000M
- 2×USB 3.0, 6×USB 2.0, 4×UART

Description

The Intel Atom x6425E SBC-SMARC-EKT embedded board is distributed in Switzerland by DYNATIME SA for professional and industrial applications. It combines an Intel Atom x6425E processor and Windows or Linux operating system.

This embedded board (SBC) provides a compact and complete calculation base for developing your equipment: industrial interfaces, network connectivity, and video outputs are integrated directly onto the card.

Typical applications

- Development of OEM products
- IoT gateways and edge computing
- Controllers of machines and automation
- Displays, dynamic display and HMI

Technical specifications

Variant 1 (SOM): 3.0GHz, 4GB DDR, 64GB eMMC HDMI1.4b, DP++, eDP, LVDS, I2S, 2xMDI, 8xUSB, 4xUART, 4xPCIE, SATA, SDIO, WINDOWS	
Version 2 (evaluation kit)	3.0GHz, 4GB DDR, 64GB eMMC, 1×SATA3.0, 2xRJ45, HDMI, DP, eDP/LVDS, 2×USB Type-A, 1xUSB Header, 2×RS232, 2×RS485, 2xCAN (Ubuntu), Micro-SD, 1xM.2 E Key For WIFI, 1xM.2 B Key For SSD, Windows IOT 11
Accessory	Power adapter (US, CN, UK or EU plugs) (recommended)
Accessory	Heat sink (recommended)
Accessory	USB Debug Module
Accessory	256GB M.2 SATA SSD
Software option	Ubuntu 22.04

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