



SBC AXEL
all-in-one solution

FREESCALE i.MX6 Solo-Dual-Quad core
Embedded SINGLE BOARD COMPUTER

EASY HARDWARE:

- CPU: based on Freescale i.MX6 Solo-Dual-Quad-core Cortex-A9
- USB Host and Device
- SERIAL: RS232/422/485 and single CAN interface
- ETHERNET: 1x10/100/1000Mbps
- DISPLAY: 24bit RGB/dual LVDS interface / WIDE™ interface
- VIDEO: HDMI and MIPI interfaces
- TOUCH: resistive and capacitive
- AUDIO: Stereo OUT and MIC in
- CONNECTIVITY: Bluetooth and Wi-Fi
- DIMENSIONS: 85x156mm - Standard DIN (9modules)
- PSU: 12-24 VDC
- Designed for industries: HMIs, SMART VIDEO devices, Digital Signage Platforms



READY SOFTWARE:

- Operating Systems:



- SW platforms:



- Industrial APPs:



Single Board Computer is a SUCCESS STORY where DAVE Embedded Systems' capabilities have created a complete solution for those customers who want to focus on their unique added value, without investing on deep technology such as embedded linux and HW design.

The SBC platform presented here provides a compact solution for any industry and can be easily interfaced with Plant Automation Control thanks to IEC-61131 SW language environment and/or other plug-ins like QT environment or multimedia GStreamer video applications.

DAVE Embedded Systems' Single Board Computers are the perfect off-the-shelf compact ARM solutions.

This hardware proposal by DAVE Embedded Systems is completed with SW solutions (SoftPLC, QT, RTOS) which permit to reduce overall system cost, and making SBCs ideally suited for deployment into a wide range of cost-sensitive and robust industrial applications.

DAVE Embedded Systems' SBC solutions combine in a unique solution all the KNOW-HOW that we, day by day, improved and specialized working with our customers
Stefano Dal Poz, CEO

FAST

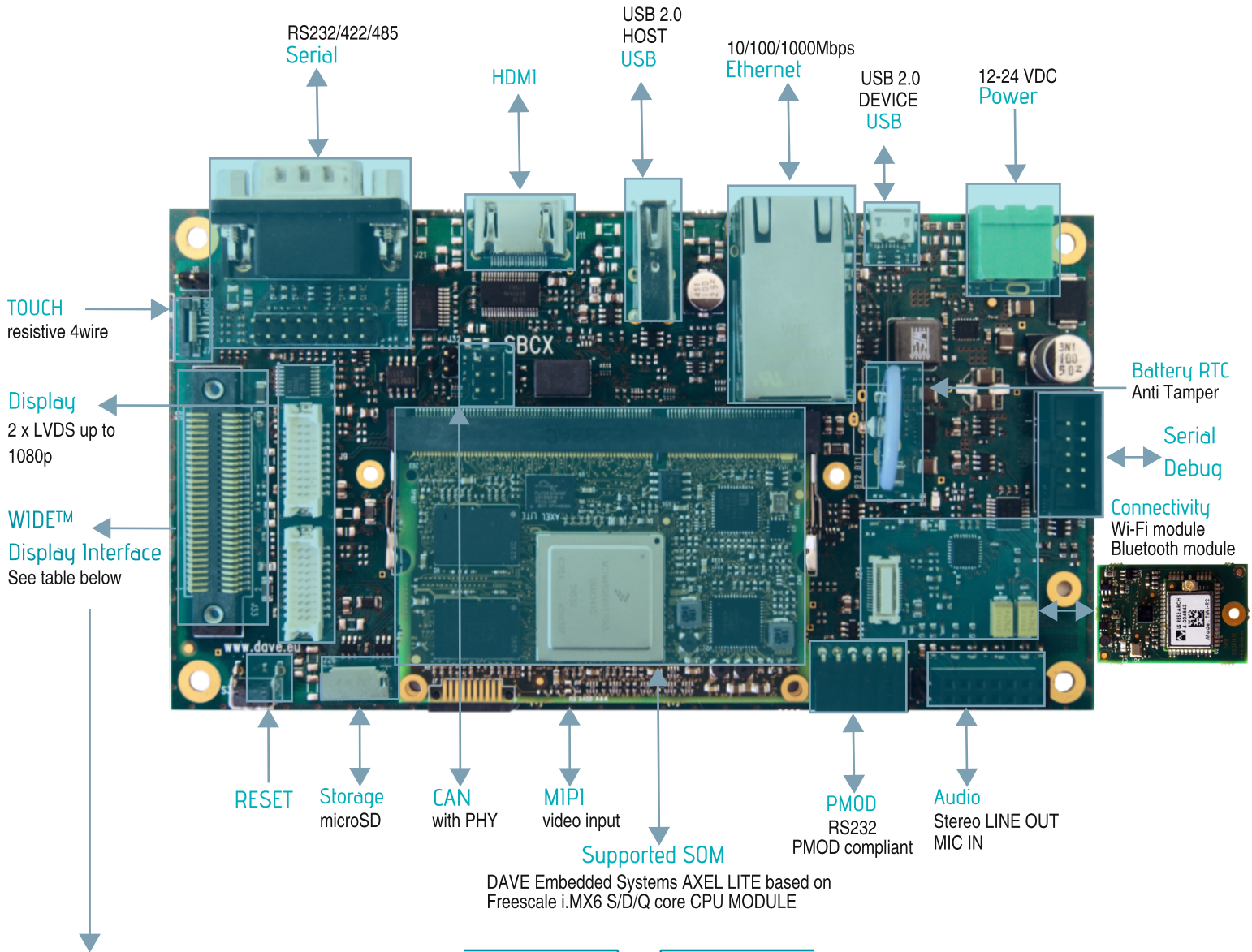
FLEXIBLE

SIMPLE

EMBEDDED

Make Embedded Simple

Technical Specifications



WIDE™: Wise Interface for Display Expander

Flexible and open interface for multiple solutions including displays, touch screen, encoders, sensors and digital I/Os

- RGB interface : 1x24bit GPIOs available : 4x
- SPI interface : 1x PWM available : 1x
- I2C interface : 1x Capacitive Touch : Possibility to interface multiple PCAP solutions

Software available on www.dave.eu

Ready to go O.S., Libraries and Runtimes for immediate plug and play on DAVE Embedded Systems' SBC solutions.

- Operating Systems : Linux Kernel 3.x
Android 4.x
- SW platforms : Root File System based on Yocto
UBUNTU™
QT™ Graphic libraries
- Industrial Applications : IEC-61131 Soft PLC LOGIC LAB
Xenomai RTOS patch for Linux

Product Code Configurator

Part Number	Description	Optionals*	Temp. Range*
SBCX00xxx	i.MX6 Quad core @ 800MHz, 32MB NOR, 2GB RAM, 512MB NAND	Wi-Fi / Bluetooth ADD-ON RGB DISPLAY ADAPTER	
SBCX01xxx	i.MX6 Dual core @ 800MHz, No NOR, 1GB RAM, 4GB NAND	CAPACITIVE TOUCH ADAPTER Wall mount enclosure DIN bar enclosure	Commercial (-20/70°C) Industrial (-40/85°C)
SBCX02xxx	i.MX6 Solo core @ 800MHz, No NOR, 512MB RAM, 512MB NAND	WIDE™ Display Interface	

* Standard Part Numbers. Other configurations are available. Please contact sales@dave.eu for more information

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