

EASY HARDWARE:

- CPU: Freescale i.MX6 UL
DDR3 RAM @ 16bit up to 512MB
SLC NAND - size on request
NOR FLASH SPI - size on request
- USB Host and Device
- SERIAL: 2xRS232 on Serial Multi Protocol
2xRS485 on Serial Multi Protocol
2x CAN with PHY on Serial Multi Protocol
- ETHERNET: 1x10/100Mbps
1x EMAC interface on WIDE™ interface
- DISPLAY: 24bit RGB/LCD interface on WIDE™ interface
- CONTROL: Expansions connectors for relays, buttons, PWM, etc.
- CONNECTIVITY: Bluetooth and Wi-Fi available on add-on
- DIMENSIONS: 67,5x85mm - Standard DIN (4modules)
- PSU: 12-24 VDC
- Designed for industries: HMI's, Controllers, Gateways, Dataloggers
Low Power Applications



A Single Board Computer (SBC) is a complete embedded system built on a single circuit board which contains fully industrial functional components, like microprocessor(s), memory, input/output (I/O) and other features required of a typical embedded computer. DAVE Embedded Systems has designed a new range of Embedded Single Board Computers extremely small and simple, versatile and easy to use.

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

READY SOFTWARE:

- Operating Systems:



- SW platforms:


yocto · ubuntu
PROJECT

- Industrial APPS:


 LOGIC LAB
IEC-61131 PLC runtime

 Xenomai
Real Time Framework for
linux

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 permits to reduce overall system cost, and making SBCs ideally suited for deployment into a wide range of cost-sensitive and robust industrial applications.

"Companies decide to work with DAVE Embedded Systems because of they have access to an expert team which provides hardware and software solutions able to guarantee a customized service, tailored for their specific product development. Customers appreciate our responsiveness and problem solving attitude"

PRELIMINARY

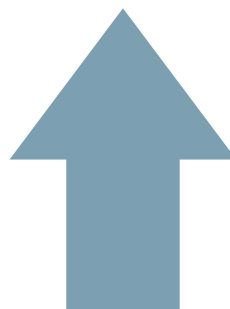
FAST



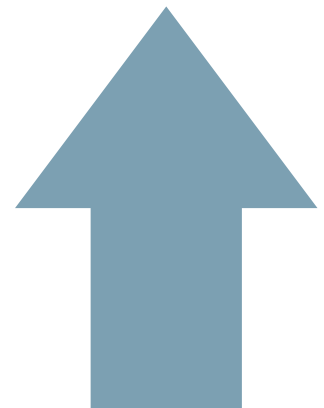
FLEXIBLE



SIMPLE

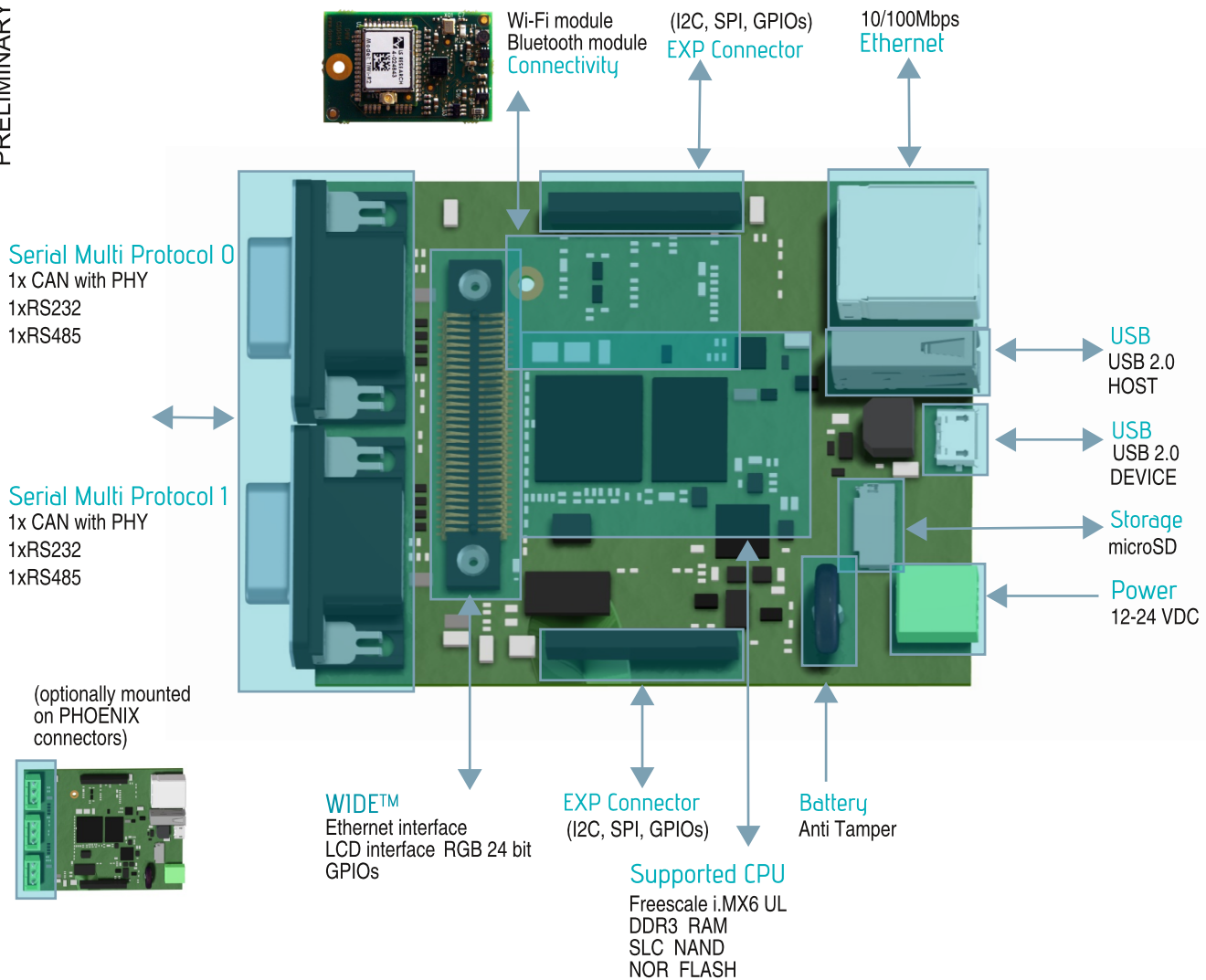


EMBEDDED


Make Embedded Simple

Technical Specifications

PRELIMINARY



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 : multiple I/Os
- SPI interface : up to 1x CAN available : up to 2x
- I2C interface : up to 2x USB interface : up to 1x
- UART interface : up to 3x

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.

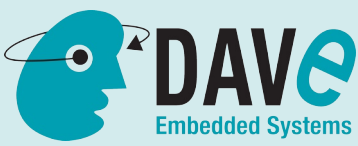
- Operating Systems : Linux Kernel 3.x
- SW platforms : Root File System based on Yocto UBUNTU™ QT™ Graphic libraries
- Industrial Applications : IEC-61131 Soft PLC LOGIC LAB Xenomai RTOS patch for Linux

Product Code Configurator

Part Number	Description	Optionals*	Temp. Range*
SXUB0xx	2x DB9 Connector i.MX6 UL core, NOR FLASH, NAND FLASH, DDR3 RAM	Wi-Fi / Bluetooth ADD-ON RGB DISPLAY ADAPTER CAPACITIVE TOUCH ADAPTER	Commercial (-20/70°C) Industrial (-40/85°C)
SXUB1xx	3x3 Phoenix Connector i.MX6 UL core, NOR FLASH, NAND FLASH, DDR3 RAM	DIN bar enclosure WIDE™ Display Interface	

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

© 2016 DAVE S.r.l.
All trademarks and registered trademarks are the property of their respective owners.
All features and specifications subject to change without notice.



DAVE S.r.l.
Via Talponedo, 29/A
33080 Porcia (PN) - ITALY
Ph +390434921215
Fax +3904341994030

www.dave.eu
wiki.dave.eu
sales@dave.eu
support@dave.eu