



SBC DIVA  
all-in-one solution

TEXAS INSTRUMENTS AM335x  
Embedded SINGLE BOARD COMPUTER

**EASY HARDWARE:**

- CPU: based on Texas Instruments "Sitara" AM335x Cortex-A8
- USB Host and Device
- SERIAL: RS232/422/485
- ETHERNET: 1x10/100Mbps and 1xGb
- CAN: dual CAN interfaces
- DISPLAY: 24bit RGB/LVDS interface / WIDE™ interface
- TOUCH: resistive and capacitive
- AUDIO: Stereo OUT, POWER OUT and MIC in
- CONNECTIVITY: Bluetooth and Wi-Fi
- DIMENSIONS: 85x156mm - Standard DIN (9modules)
- PSU: 12-24 VDC
- Designed for industries: HMI, Controllers, Bridge, Datalogger



**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 we, day by day, improved and specialized working with our customers  
Stefano Dal Poz, CEO

FAST

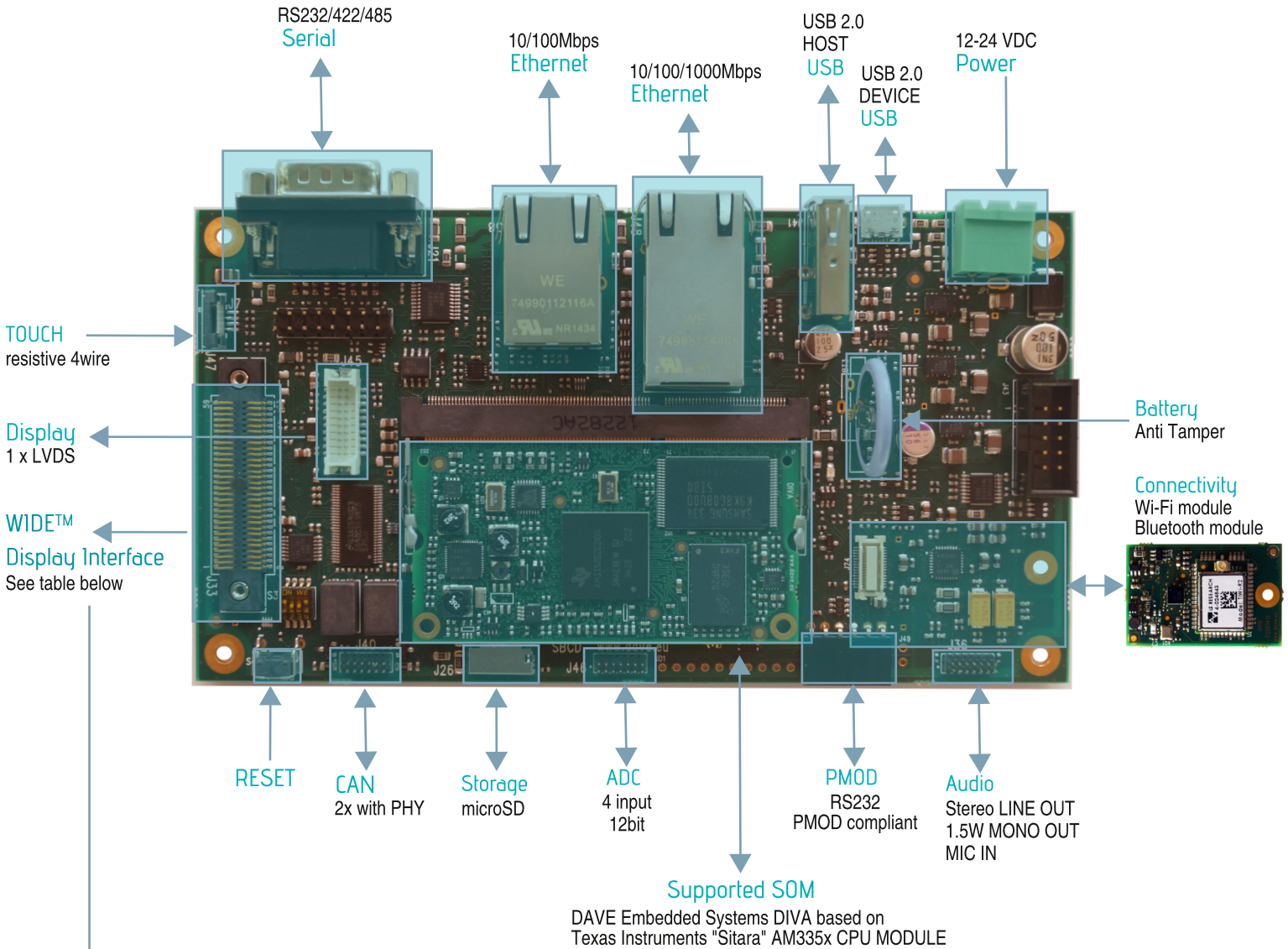
FLEXIBLE

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

## Software available on [www.dave.eu](http://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*
SBCD10xxx	AM3359 @ 800MHz, 32MB NOR, 512MB RAM, 1GB NAND	Wi-Fi / Bluetooth ADD-ON RGB DISPLAY ADAPTER	
SBCD11xxx	AM3352 @ 300MHz, 16MB NOR, 256MB RAM, 256MB NAND	CAPACITIVE TOUCH ADAPTER Wall mount enclosure DIN bar enclosure	Commercial (-20/70°C) Industrial (-40/85°C)
SBCD12xxx	AM3354 @ 1GHz, NO NOR, 512MB RAM, 4GB NAND	WIDE™ Display Interface	

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

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