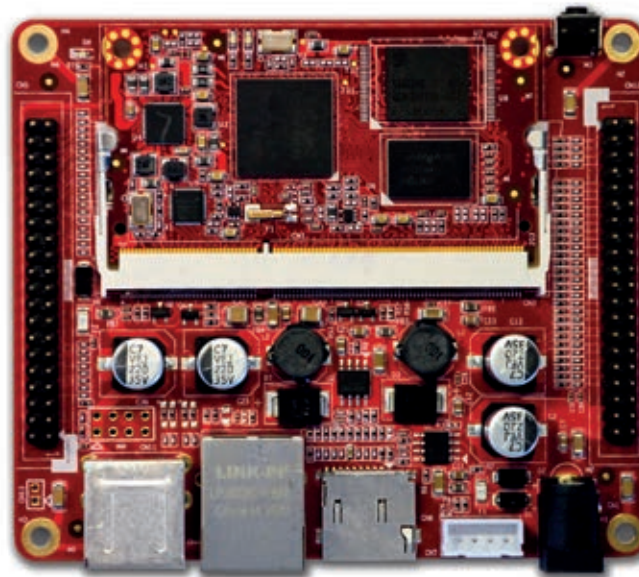# MAS ELETTRONICA®

SBC SARA AM335X
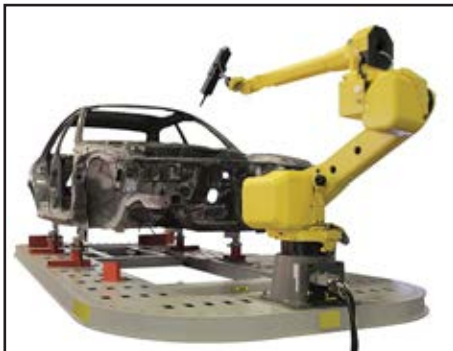
CLOUD SERVICE

HIGH PERFORMANCE

103,5 mm

130 mm

PRU

Processor Sitara™ AM335x
Software LINUX / ANDROID

APLICATION AREAS:
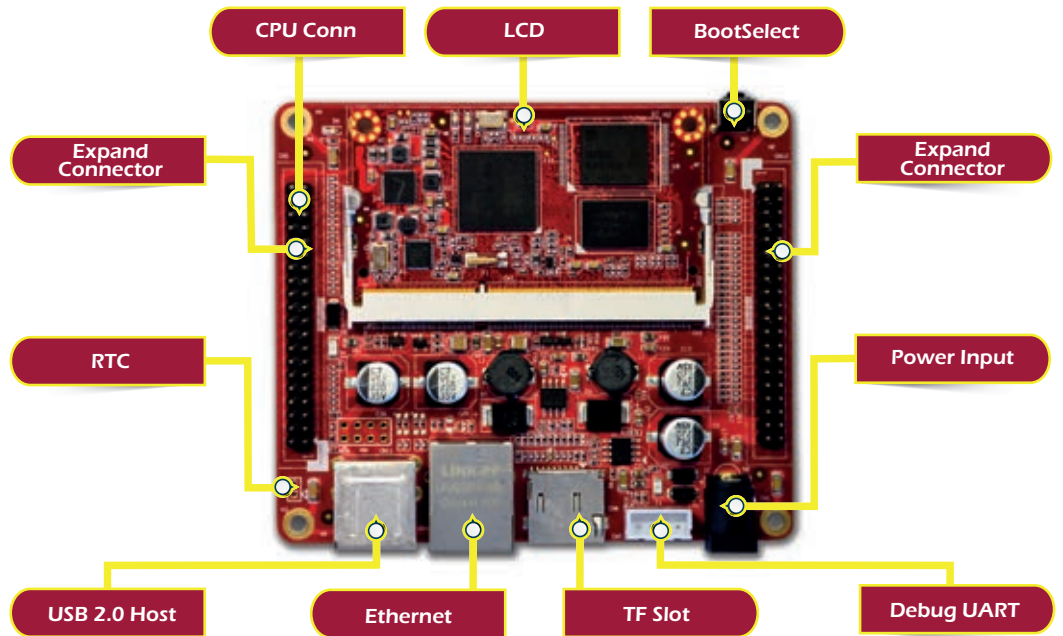

AUTOMATION

MEDICAL

INDUSTRIAL

SBC SARA AM335x

The single board computer SARA which has an expansion board to carry the MIREA NET is one of our design of the base plate.The flexible design allows the fast and easy way of realizing and upgrading the controller's capabilities.
In additional to those features offered by MIREA NET, the B4 features 6 serial ports (6 TTL), 2 USB Host,
1 Ethernet ports, CAN, PWM, LCD, Touch screen, I2S, I2C, SPI, GPIOs, RTC and more other peripherals.
The single board targets a wide range of applications, including: HMIs, Digital Signage, POS, Data Terminal, Medical Devices, Navigation, Industrial Automation, Entertainment system, Thin Clients, Robotics, Game Console and much more.

HMI

CPU Conn | LCD | BootSelect

Expand Connector | Expand Connector

RTC | Power Input

USB 2.0 Host | Ethernet | TF Slot | Debug UART

MIREA NET Am335x

CPU	
CPU name	MIREA NET Am335x Som
CPU type	AM3352, AM3354, AM3358
Cores	x1
PERIPHERALS	
SD / MMC	x1
USB Host / Device	x2 2 USB host, 1x USB OTG
UART	x2
I2C	x2
SPI	x2
RTC	x1
Mini PCI Express	x1
Ethernet	x1 Gigabit
GPIOs	x30
DISPLAY	
Parallel	x1 16bit
MULTIMEDIA	
2D/3D Graphics Acceleration	x1

MULTIMEDIA	
RAM	512 MB DDR3L
eMMC	FROM 4 to 64Gbyte
NOR	256/512Mbyte
SOFTWARE SUPPORT	
LINUX	Kernel 4.1.15 YOCTO
ANDROID	upon request
Ubuntu	18.04
MECHANICAL SPECIFICATIONS	
Dimensions	130 x 103.5 mm
ELECTRICAL SPECIFICATIONS	
Power supply	12VDC
Consumption	500mA
ENVIRONMENTAL SPECIFICATIONS	
Commercial temperature (0 to 70°C)	Available
Extended temperature (-20 to 70°C)	Available
Industrial temperature (-40 to 85°C)	Available
LONGEVITY	
Minimum availability	2028

Design & Production
MADE IN ITALY