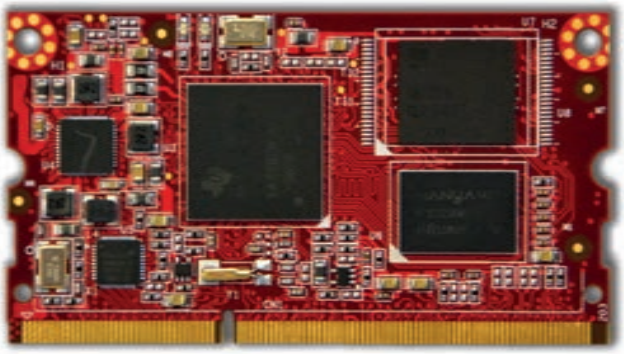
MIREA NET AM335X

CLOUD SERVICE

HIGH PERFORMANCE



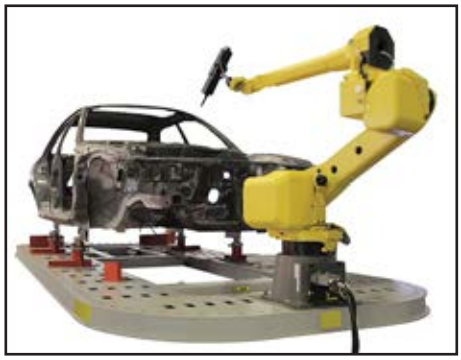
37,5 mm

67,6 mm

Processor Sitara™ AM335x
Software LINUX / ANDROID

APLICATION AREAS:

MEDICAL



AUTOMATION

INDUSTRIAL

MIREA NET AM335x

The MIREA is a core module based on the TI's Sitara AM335X Cortex-A8 processor. The core module is Measured only 67.6mm X 36.5mm, integrates 256MB/512MBytes DDR3 SDRAM and up to 8GBytes eMMC flash. It offers a wide range of interfaces from simple GPIOs, industry standard I2C, SPI, CAN, and UART buses through to high speed USB 2.0 interface, and gigabit Ethernet. The module 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.

MIREA NET AM335X

SBC SARA AM335X
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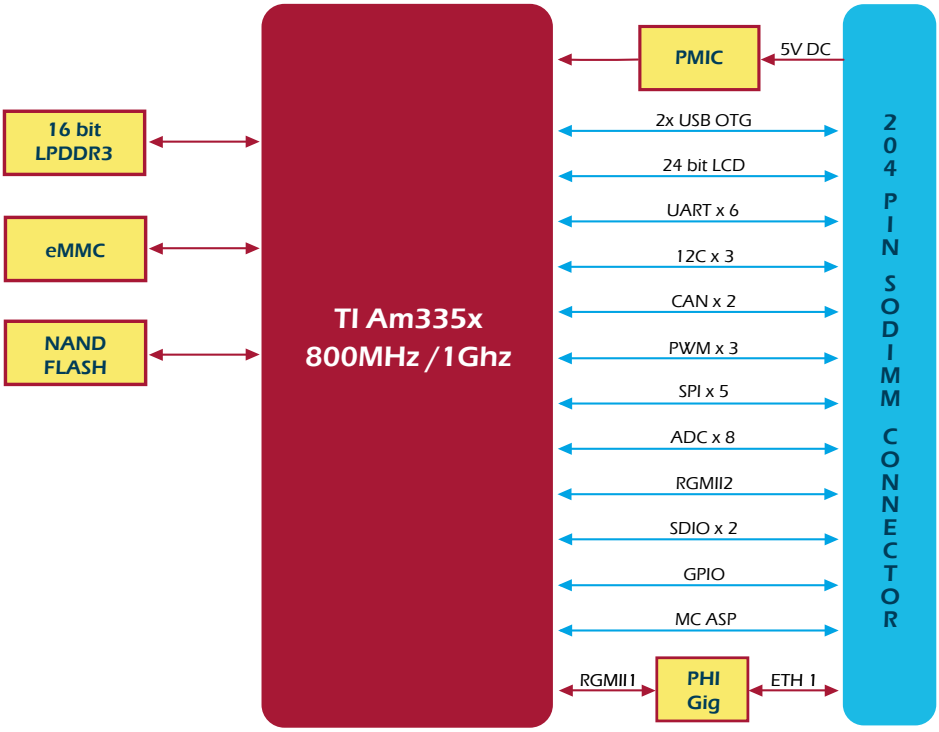
MIREA NET



CPU	
CPU name	Sitara Texas Instruments
CPU type	AM3352, AM3354, AM3358
Cores	x1
PERIPHERALS	
SD / MMC	x1
USB Host / Device	x2
UART	4+2*
I2C	1+2*
SPI	1+2*
McASP	1+1*
RTC	x1
PWM	2+1*
CAN	1+1*
Ethernet	x1
GPIOs	18+73*
ADC	X8

* These interfaces are available on pins that are multiplexed for other functions

DISPLAY	
Parallel	x1 16bit
MULTIMEDIA	
2D/3D Graphics Acceleration	X1

MULTIMEDIA	
2D/3D Graphics Acceleration	X1
MEMORIES	
RAM	512 MB DDR3L
eMMC	FROM 4 to 64Gbyte
NAND	256/512Mbyte
SOFTWARE SUPPORT	
LINUX	Kernel 4.1.15 YOCTO
ANDROID	upon request
Ubuntu	18.04
MECHANICAL SPECIFICATIONS	
Dimensions	67,6 x 36.58 mm
ELECTRICAL SPECIFICATIONS	
Power supply	5VDC
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

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Design & Production MADE IN ITALY