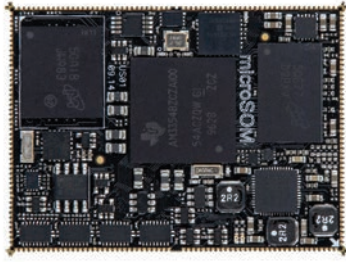


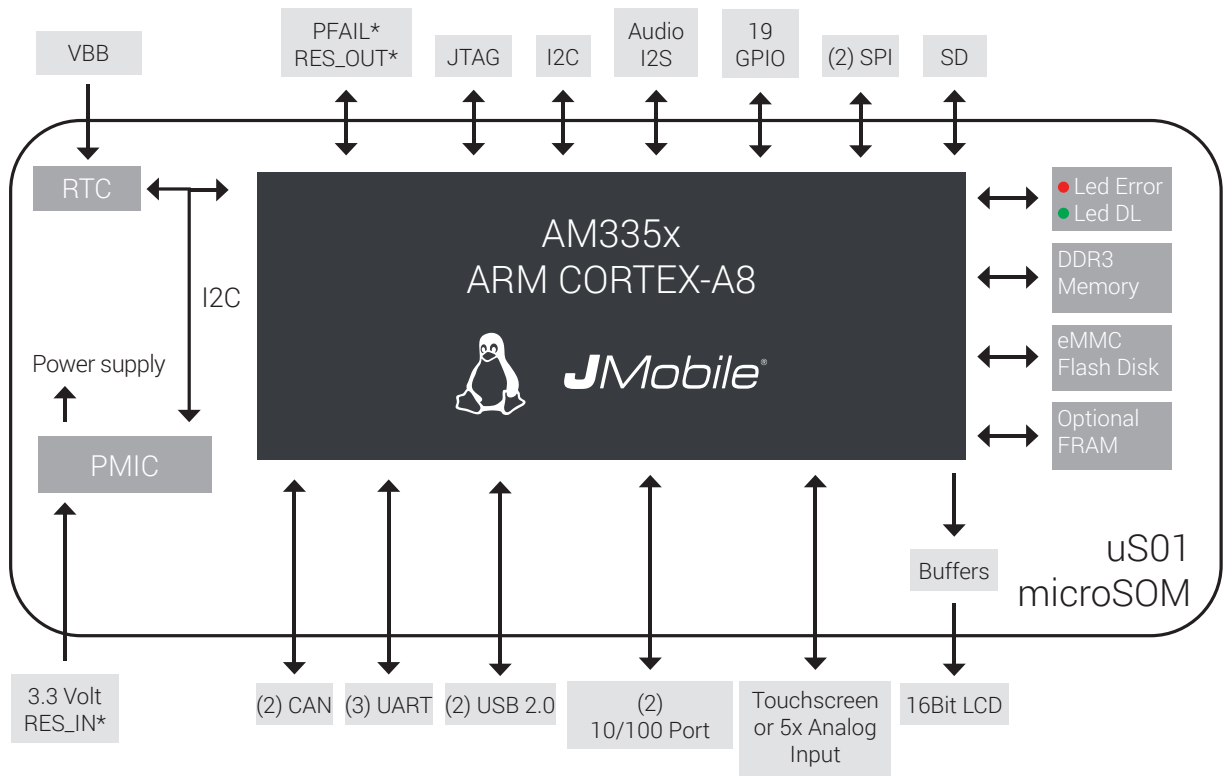
microSOM uS01 - Technical Data



microSOM uS01, TI's Sitara ARM-Cortex-A8 based microSOM standard, for the increased system performance requirements.

Dimensions	46x35 mm
Temperature Range	-40°C to +85°C
CPU	TI Sitara AM3352/AM3354 up 1 GHz
DDR	Up 512 Mbytes DDR3
Flash Disk	Up to 4 Gbytes eMMC (The actual size could vary according to the device's vendor. 2MB min. of boot sectors.)
EEPROM	4 Kbits
FRAM	64 Kbytes (optional)
Watchdog/RTC/Voltage monitor/JTAG	Yes
USB	2 (Host V2.0)
Ethernet	2 (RMII ports 10/100 Mb)
SD	1
Serial Port	3*
SPI	2
I2C	1
CAN	2*
Audio	1 (I2S Channel)
Video	1 (Video Out Controller 16 Bit)
Analog Input	5
GPIO	19

Software configurable. Not all selections can be combined
* One UART shared with one CAN



Ordering Information

Model	Part Number	Description
uS01-0001	+US01-0001	TI Sitara AM3354 1GHz - 512MB DDR3 - 4 GB Flash Disk - Operating Temp. -40 to +85°C
uS01-0002	+US01-0002	TI Sitara AM3352 300Mhz - 256MB DDR3 - 2 GB Flash Disk - Operating Temp. -40 to +85°C
uS01-0003	+US01-0003	TI Sitara - AM3354 1GHz - 512MB DDR3 - 4 GB Flash Disk - Operating Temp. 0 to +70°C
uS01-0004	+US01-0004	TI Sitara AM3352 300Mhz - 256MB DDR3 - 2 GB Flash Disk - Operating Temp. 0 to +70°C
uS01 Development Kit	+EE16EK-0002	microSOM uS01 Development Kit