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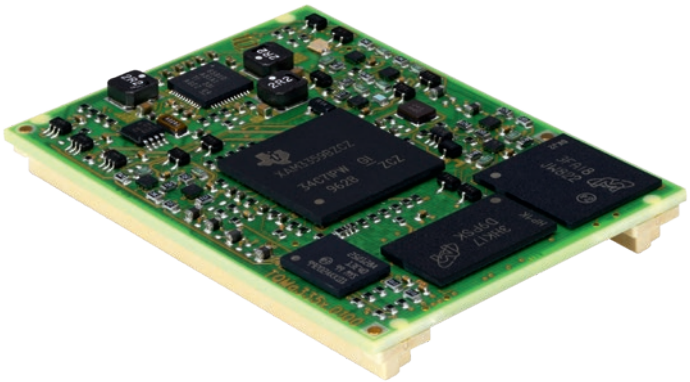
Expert team | Trust guarantee | 100% satisfaction

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TQMa335x

Arm® Family



HIGHLIGHTS

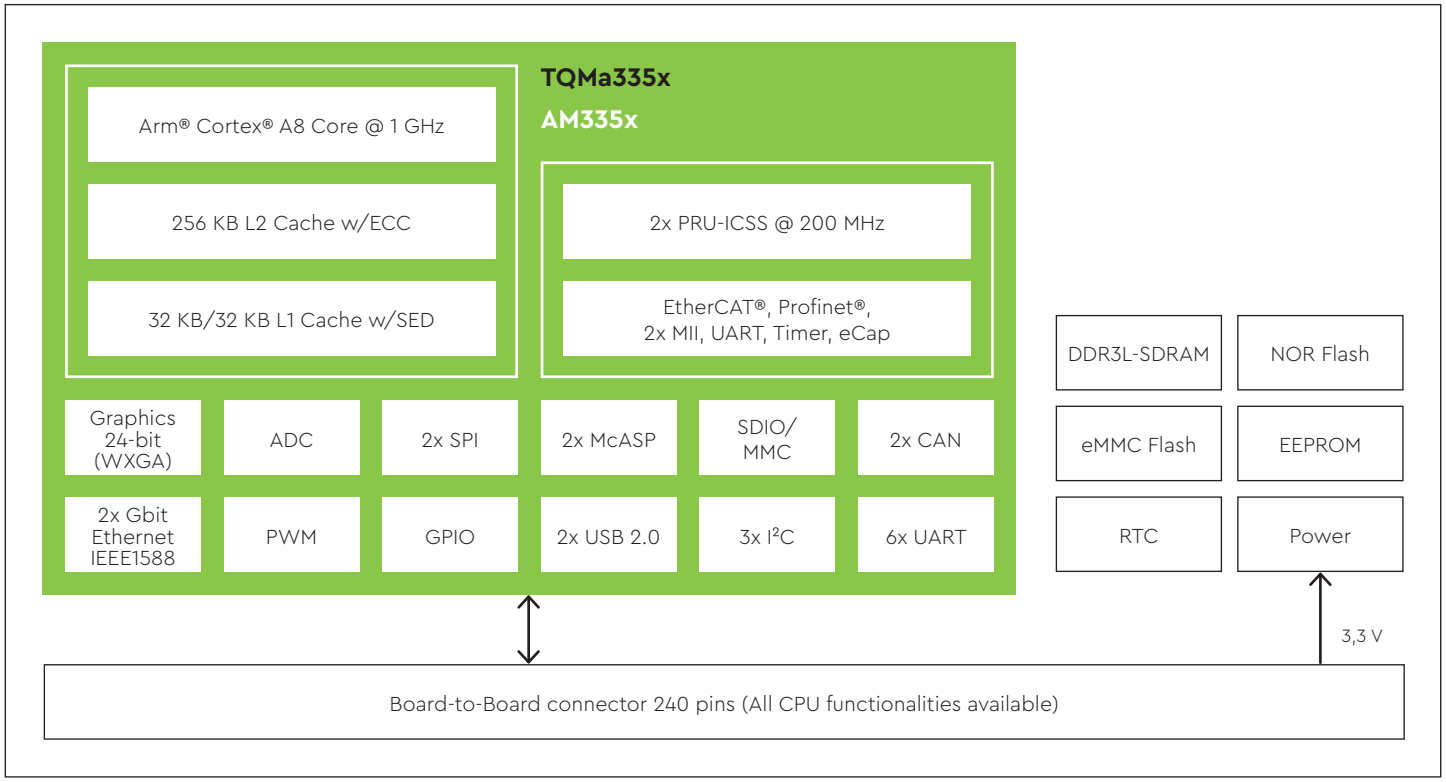
- Real time communications subsystem
- Low-cost due to highest level of integration
- Extended temperature range
- 2x IEEE1588 Ethernet (int. Switch)
- Low power consumption (2 W)
- Long-term availability

Embedded module based on Cortex® A8 (AM335x) with graphics and real-time support.

TECHNICAL SPECIFICATION

CPU	AM3352, AM3354, AM3358, AM3359 (Up to 1 GHz)
Interfaces	Up to 2x Ethernet 10/100/1000 Mbit (L2 Switch) Up to 2x CAN 2.0 B Up to 6x UART 2x USB 2.0 high speed OTG interface Up to 2x SDIO/MMC Up to 3x I2C Up to 2x McASP (4ch) Up to 2x SPI GPIO Up to 8x 12-bit ADC channels Up to 3x PWM
Graphic interface	24-bit TFT Interface
Memory	DDR3L-SDRAM: up to 512 MB eMMC flash: up to 16 GB NOR flash: up to 128 MB EEPROM: 0/64-kbit
Other	Real Time Clock (RTC) Temperature sensor CPU JTAG Interface
Power supply	3,3 V
Ambient conditions	Standard temperature range: -25°C...+85°C Extended temperature range: -40°C...+85°C
Plug-in system	Board-to-Board plug-in system (240 Pins) 2* 120
Operating systems	Linux, QNX, Windows Embedded Compact 2013
Dimensions	54 mm x 38 mm

BLOCK DIAGRAM TQMA335X



ORDERING INFORMATION

TQMa3352-AA	AM3352 @ 800 MHz, 256 MB DDR3L, 4 GB eMMC Flash, 64-kbit EEPROM, -25°C...+85°C
TQMa3352-AB	TQMa3352-AB, with TI AM3352 / 800MHz, 4GB eMMC Flash, 256MB DDR3L, 64kB EEPROM -40°C- +85°C
TQMa3354-AA	AM3354 @ 800 MHz, 256 MB DDR3L, 4 GB e-MMC Flash, 64-kbit EEPROM, -25°C...+85°C
TQMa3359-AA	AM3359 @ 800 MHz, 256 MB DDR3L, 4 GB eMMC Flash, 64-kbit EEPROM, -25°C...+85°C
	Other configurations on request
STKa335x-AA	STKa335x (Eval Kit) with TQMa3359-AA, AM3359/800 MHz, 256 MB DDR3, 4 GB eMMC Flash, 64-kbit EEPROM, 1x RS232, 1x RS485, 2x CAN 2.0 B isol., 1x USB 2.0 HOST, 1 x USB 2.0 OTG, 2x ETH 10/100/1000 (1x EtherCat), Stereo Out, Mono Mic In, RTC, Temperature sensor, Reset button, SD interface, Power Supply, 4 GB SD card, Cables
Starterkit STKa335x	The core of the STKa335x is the TQMa3359 with an Arm® Cortex® A8 CPU. The components contained in the starter kit constitute a modular system enabling you to develop your own product ideas. Development of graphic interfaces can be started immediately using the prepared combination of closed display unit and starter kit that are matched to each other.

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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