

# CompuLab CM-QS600

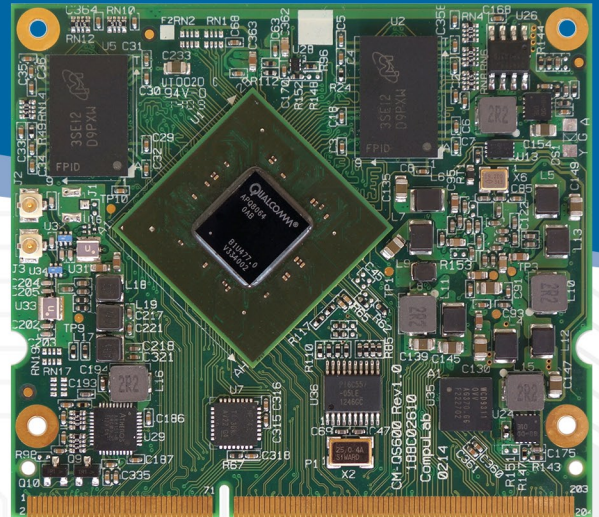
Miniature computer module with Qualcomm Snapdragon

Ideal solution for:

Digital Signage, IPTV and Kiosk

Industrial DVR and Surveillance

Portable, Battery Powered Systems



- Qualcomm Snapdragon APQ8064 quad-core 1.7GHz Krait 300
- Best-in-class graphics with Adreno GPU and Hexagon QDSP6
- Up to 2GB DDR3 and up to 32GB on-board eMMC
- HDMI and LVDS interfaces, up to 2048 x 1536
- Dual-band WiFi 802.11a/b/g/n and Bluetooth 4.0 low-energy
- GbE, PCIe, SATA, USB2.0 x3, UART x5, SDIO x3, GPIO x61



Leader in embedded computing solutions

# CM-QS600 Specifications

## System and Graphics

CPU	Qualcomm Snapdragon 600 APQ8064 quad-core Krait 300, 1.7GHz
RAM	512MB – 2GB, DDR3-1066, dual channel 32-bit data bus
Storage	On-board eMMC flash disk, up-to 32GB
Video Processing	Multimedia video sub-system supports 1080p decoding / encoding
Graphics	Adreno 320 GPU compliant with OpenGL ES 1.1 / 2.0 / 3.0 and OpenCL

## I/O

Display	HDMI 1.4a interface - up-to 1920 x 1080 LVDS interface - up-to 2048 x 1536
Camera	MIPI-CSI, 4 data lanes, up to 20 MP JPEG encode, up-to WXGA @60 fps
Audio	On-board audio codec with analog stereo input/output and microphone support I2S compliant digital audio interface HDMI audio output
Gigabit Ethernet	1000Base-T Ethernet interface
Wireless	Dual-band 2x2 802.11a/b/g/n WiFi interface Bluetooth 4.0 (low energy) (also compliant with Bluetooth 2.1 + EDR)
USB	USB2.0 OTG + 2 USB2.0 host ports
PCI Express	PCI Express Gen 2.0 interface
SATA	SATA interface, 1.5 Gbps, integrated controller and PHY
Serial Ports (UARTs)	Up to 5 UART ports, 16C750 compatible, 1.8V interface
SPI	Up to 5 SPI bus interfaces
I2C	Up to 5 I2C interfaces
MMC/SD/SDIO	Up to 3 MMC/SD/SDIO interfaces , support SDHC up to 32GB
General Purpose I/O	Up to 61 multifunction GPIO signals (shared with other functions)
RTC	Real time clock, powered by external lithium battery

## Electrical and Mechanical

Supply Voltage	Single 5VDC / Li-Ion battery
Dimensions	65 x 68 x 5 mm
Connectors	204-pin SO-DIMM edge connector



[www.compulab.co.il](http://www.compulab.co.il)

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