

Theobroma Systems Design & Consulting GmbH



Theobroma Systems, based in Vienna, Austria, are a leading provider of Engineering Services and Embedded Systems solutions. They provide key technologies and IP for Smart Energy/Home Automation, Identification, and Secure Communications.

Products

A31- μ Q7: μ QSeven quad-core module

Quad-Core ARM Cortex-A7, up to 1.2GHz
Gigabit Ethernet, HDMI and dual-channel LVDS

First **μ Qseven** module integrating a security module solving today's security challenges

- >Smart Metering
- >Industry 4.0

Global Platform 2.2.1 compliant JavaCard
Enables secure key storage and authentication.



Qseven Baseboard & Reference Design and Development Kit

Develop with a plug & play starter kit

Mini-ITX form factor

Directly fits into any Mini-ITX case

Powered with either a single 12V supply or
an ATX style power supply

Exposes all peripherals using standard connectors

HDMI and audio out

Gigabit Ethernet and RS232

USB host and USB OTG ports



A Complete kit, ready for you to start

μ Qseven module, and base board

Mains leads and power supply for all regions

Heatsink and optional fan included to assist
your final project design

USB cable

Software all included

Linux preloaded on an SD card

Software on a USB stick

Hard copies of manuals



New Products



A80-Q7

Lifecycle Status: **Sampling**

Octa-core Cortex-A7/A15 (big.LITTLE) system-on-module.

Recommended for

- Visualization and Kiosk
- Industrial Control
- Security
- Networking



Helix2-COMExpress

Lifecycle status: **Early Access**

Quad-core 64bit ARMv8 server-on-module with integrated 10GE

Recommended for

- Visualization and Kiosk
- Industrial Control
- Security
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Broadband Technology 2000 Ltd

Product Areas

Semiconductors	Wireless/M2M	Sensors	Power	Internet of Things
Mixed Signal IC's	Antennae	MEMS Accelerometers	Super Capacitors	Powerline Communications
Powerline Communications	GSM, GPRS & 3G Modems	MEMS Magnetic Sensors	Power Modules	Narrow & Broadband
RF Interface	3G Routers	MEMS Gyroscopes	Solid State Batteries	
Mixed Signal Active Filter	3G & GPRS Gateways	MEMS Pressure Sensors	Interconnect	
	4G/LTE	RF Microwave	Magnetics	
	GPS Tracking Units	Amplifiers	Cable Assembly	
	RF Cables	Attenuators	Connectors	
	Connectors	Switches		

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