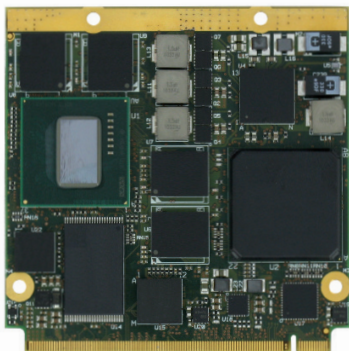




## Q7-881

## Computer on Module with Intel® Atom™ E6xx series CPU+ EG20T Chipset

### HIGHLIGHTS



- Intel® Atom™ Processor E6xx series & Intel® EG20 Platform Controller Hub chipset
- Integrated Intel® 3D Graphic with 50% performance enhancement
- With CAN Bus



### MAIN FIELDS OF APPLICATION



Mobile devices



Measuring Instruments



Robotics



Surveillance

### FEATURES

Processor	Intel® Atom™ E620 @ 600MHz 3.3W TDP Intel® Atom™ E640 @ 1.0GHz 3.6W TDP Intel® Atom™ E660 @ 1.3GHz 3.6W TDP Intel® Atom™ E680 @ 1.6GHz 4.5W TDP	Other Interfaces	SD / MMC / SDIO interface CAN BUS Interface Expansion Bus: I2C, SMBus, LPC, SPI FAN Management Interface Power management signals
Max Cores	1	Power Supply	+5V <sub>DC</sub> AT/ATX mode
Max Thread	2	Operating System	Microsoft® Windows® XP (32 bit) Microsoft® Windows® 7 (32 bit) Microsoft® Windows® Embedded Standard 7 (32 bit) Microsoft® Windows® Embedded Standard 2009 (32 bit) Microsoft® Windows® Embedded Compact 7
Chipset	Intel® PCH EG20T	Operating Temperature*	0°C ÷ +60°C (commercial version)
Memory	up to 2GB DDR2 onboard	Dimensions	70 x 70 mm (2,76" x 2,76")
Graphics	integrated Intel® 2D and 3D graphic controller Dual independent display support MPEG2, MPEG4, H.264, DivX HW video decoding	*Measured at any point of SECO standard heatspreader for this product, during any and all times (including start-up). Actual temperature will widely depend on application, enclosure and/or environment. Upon customer to consider application-specific cooling solutions for the final system to keep the heatspreader temperature in the range indicated.	
Video Interfaces	LVDS Single Channel 18/24 Bit interface SDVO Interface		
Video Resolution	Maximum resolution 1280x768 on LVDS Maximum resolution 1920x1080 on SDVO		
Mass Storage	Optional onboard SATA Flash Disk up to 32GB Up to 2 x S-ATA Channels 2 x Express Card interface		
Networking	Gigabit Ethernet Interface Realtek® RTL8111E Gigabit Ethernet Controller		
USB	6 x USB 2.0 ports 1 x USB client		
PCI-e	2x PCI-E x1 lanes		
Audio	HD Audio Interface		