

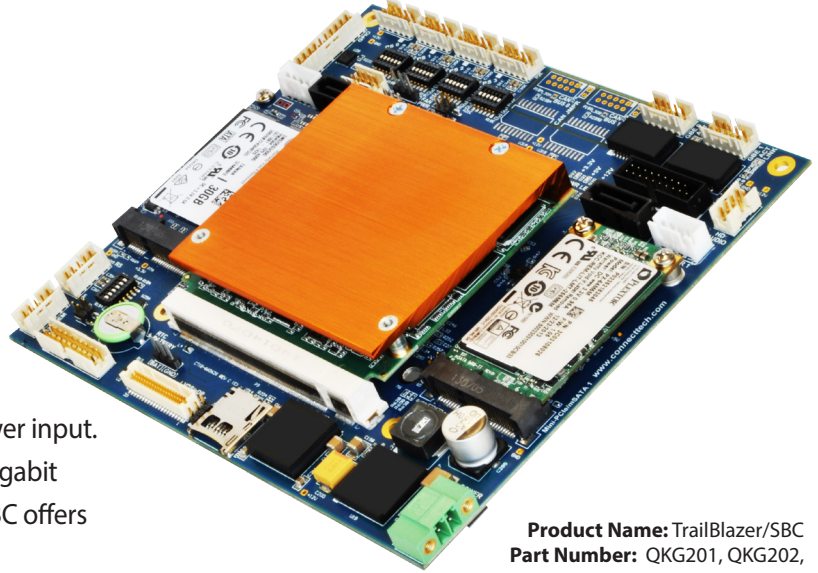


**Connect Tech Inc.**  
Embedded Computing Experts

## TrailBlazer/SBC

Connect Tech's TrailBlazer/SBC is a rugged single board computer that has been specifically designed for the Intel® Bay series CPU. TrailBlazer is available with a Quad Core Atom™ E3845, a Dual Core Atom™ E3825, or a Single Core Atom™ E3815.

Excellent for low power application needing a wide power input. With Mini-PCIe/mSATA/External SATA switching, Dual Gigabit Ethernet, and multiple display formats the TrailBlazer/SBC offers a full featured, flexible small form factor solution.



**Product Name:** TrailBlazer/SBC  
**Part Number:** QKG201, QKG202, QKG203, QKG204, QKG205, QKG206

### Part Numbers and SKU Information

Part Number	TrailBlazer/SBC	CPU	Operating Temperature
QKG201	No CAN Bus (QCG202)	Intel® Atom™ E3845 Quad Core 1.91GHz, 2MB L2 Cache, 2GB 1333MT/s DDR3L Memory, 4GB eMMC Flash	-40°C to +85°C
QKG202	No CAN Bus (QCG202)	Intel® Atom™ E3825 Dual Core 1.33GHz, 1MB L2 Cache, 2GB 1066MT/s DDR3L Memory, 4GB eMMC Flash	-40°C to +85°C
QKG203	No CAN Bus (QCG202)	Intel® Atom™ E3815 Single Core 1.46GHz, 512kB L2 Cache, 2GB 1066MT/s DDR3L Memory, 4GB eMMC Flash	-40°C to +85°C
QKG204	CAN Bus (QCG203)	Intel® Atom™ E3845 Quad Core 1.91GHz, 2MB L2 Cache, 2GB 1333MT/s DDR3L Memory, 4GB eMMC Flash	-40°C to +85°C
QKG205	CAN Bus (QCG203)	Intel® Atom™ E3825 Dual Core 1.33GHz, 1MB L2 Cache, 2GB 1066MT/s DDR3L Memory, 4GB eMMC Flash	-40°C to +85°C
QKG206	CAN Bus (QCG203)	Intel® Atom™ E3815 Single Core 1.46GHz, 512kB L2 Cache, 2GB 1066MT/s DDR3L Memory, 4GB eMMC Flash	-40°C to +85°C

## FEATURES

- ✓ Choose from Intel® Atom™ E38xx series, Quad, Dual or Single core options
- ✓ Quad Serial, Dual CAN Bus (Optional)
- ✓ External SATA/mSATA Switching Circuitry
- ✓ Single Wide Range Input Voltage +12V to +36V DC Input
- ✓ Extended Temperature Range -40°C to +85°C

Specifications	
Dimensions	146.05 x 131.76 mm 5.75" x 5.1875"
Mini-PCIe/mSATA	2x Mini-PCIe/mSATA (Use of mSATA removes External SATA)
GPIO	16 bit
SATA	2x SATA Links (mSATA or External SATA Capable)
Display	1x DisplayPort/HDMI/DVI 1x LVDS
Serial	4x RS-232/RS-485 (Half/Full Duplex) - PCIe UART 1x RS-232/RS-485 (Half/Full Duplex) - Qseven Module
CAN Bus	2x CAN (FPGA Soft Core - QCG203 Only)
USB	1x USB 3.0 4x USB 2.0 (2x Integrated into USB 3.0)
Ethernet	2x Gigabit Ethernet (10/100/1000)
SD Card	1x microSD Card
Audio	HD Audio: 1x Input, 1x Output
Power Requirements	+12V to +36V DC Input
Operating Temperature	-40°C to +85°C
Accessories	Cable Kit
Warranty and Support	2 Year Warranty and Free Support

**RoHS**

Specifications subject to change without notice.  
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