



## 6 Port DB-9 Serial Expansion Element

Applications that require a high serial port count can now use the Intel Rugged NUC Elements (Austin Beach) line of NUC products thanks to the NUC Innovations 6-port expansion element. The expansion element seamlessly expands the Intel® NUC Rugged Chassis Element product to provide up to 6 RS standard DB-9 ports or 4 CAN bus ports with 2 RS-232 serial ports. The Expansion Element includes support for all models of NUC Innovations LTE adapters.



### Quad Serial Port Adapter Specifications

- PCIe 2.0 compliant. RS-232/422/485 mode configurable by software
- 4800 to 3Mbps serial data rate (RS-232 921.6Kbps) serial data rate. 16C550 compatible. 256-byte FIFOs
- Full RS-232 functions with DB9 connector
- Termination resistor enabled/disabled by DIP switch
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Windows: XP (32 bit), 7(32/64 bit), 8/8.1(32/64 bit), 10, WES7, CE7.0
- Linux: Kernel 2.6.x and above

### Quad CAN bus Adapter Specifications

- Meet the Requirements of the ISO 11898-1
- CAN bus 2.0B backward compatible - 2.0A
- Support baud rate 10/20/50/100/250/500/800/1000K
- Supports CAN message acceptance filter
- CANopen-enabled
- Compliant with IEC 60950-1:2005 + A1: 2009 + A2:2013, 2.5kV HiPOT protection
- Compliant with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Windows: 7(32/64bit), 8/8.1(32/64bit), 10(32/64bit)
- Linux: SocketCAN driver

Order Code	Description
90008-00	Intel AB OPEN IO Base - No IO Shield
90012-00	Intel AB 1 to 6 port DB-9 Expansion IO Shield – Note 1
20030-00	Serial Port Cable - Intel Austin Beach
20031-00	M.2 Dual Serial RS232 Adapter with ESD Protection and Cables
20032-00	M.2 Quad Serial RS-232/422/485 Adapter with Cables
20033-00	M.2 Quad CAN 2.0B BUS Adapter with Cables
20034-00	M.2 Dual CAN 2.0B bus Adapter with Cables
20035-00	M.2 Dual CAN J1939 bus Adapter with Cables

Note 1: Refer to NUC Innovations LTE Adapters Brochure V1-1 for LTE information and order codes.