

SB16C1054 Development Kit

Quad UART Evaluation Board

SB16C1054 is a Quad-UART with the world's largest FIFO size of 256-byte.

SB16C1054 Development Kit provides developers the easiness and minimized time while developing various serial communication applications using SB16C1054. With this Evaluation Board, developers can experience superior speed and state-of-art technology. SB16C1054 provides on-chip control for RS422/485 auto toggling signals. This feature guarantees stable communication quality since the line driver's I/O signal can be controlled even at highly precise levels.



Features

256-byte FIFO and on-chip control for RS422/485 auto toggling

SB16C1054 Development Kit supports PCI Local Bus Specification V2.3. For developers, SB16C1054 offers Hardware/Software Flow Control, separating pins and signal lines for the control of input/output of TX or RX driver when using RS-422 or RS-485. Users can remove associated Glue Logic through this.

Interfacing mode is selectable per port

This Evaluation Board has RJ45 connectors in all ports. User can set up the interface mode of each port by Jumper Setting on the board.

Stability & Maintenance

TX/RX LED included in all connectors indicate communication status, enabling easy maintenance. The built-in, high-performance surge protector enables high stability against electric shock.

Support various resources for developer

SB16C1054 Development Kit offers various resources for developers

- Evaluation Board, reference schematic, evaluation board artwork & gerber files, device driver, utility program and source codes.

SB16C1054 Evaluation Board Specifications



Comm. Mode	Asynchronous serial communication
No. of ports	4
Comm. Speed	Max. 921.6Kbps (Up to 5Mbps if 80MHz clock is used)
Bus Interface	PCI (3.3V & 5V), PCI-X
Line Interface	RS232/RS422/RS485
Connector	RJ45
IRQ	Automatic setting
I/O address	Automatic setting
Comm. controller	SystemBase UART (SB16C1054, Quad UART with 256-byte FIFOs)
Protective device	15KV Surge Protector
Operating system	Windows95/98/NT/2K/XP SCO UNIX, Linux

SB16C1054 Development Kit Contents

Packages

- SB16C1054 Evaluation Board 1EA
- SB16C1054 Development Kit Manual
- SB16C1054 DataSheet
- SB16C1054 Development Kit CD 1EA

SB16C1054 Development Kit CD

- Related Documents for developer
- SB16C1054 Evaluation Board Schematic
- SB16C1054 Evaluation Board Artwork & Gerber
- Device Driver & Source Code
- Utility Program