

A142 Synchronous Dual Serial Card

Sangoma Data Card

Now newly redesigned for improved efficiency, the Sangoma A142 Data Card replaces the Sangoma S5141 card. Ideal for synchronous serial applications.

Whether you use the card to simplify routing and increase security using Sangoma's WANPIPE® software; you need support for an X.25 link, a datascope, an SNA connection, or a broadcast satellite feed; or you have another unique application —Sangoma's Serial Synchronous products communicate mission-critical radar control and surveillance data, essential to modern air and sea communications.

This updated card boasts field upgradeable firmware, a choice of PCI or PCI Express interface, and two primary ports that have equal baud rates without the complexity of signalling jumpers.

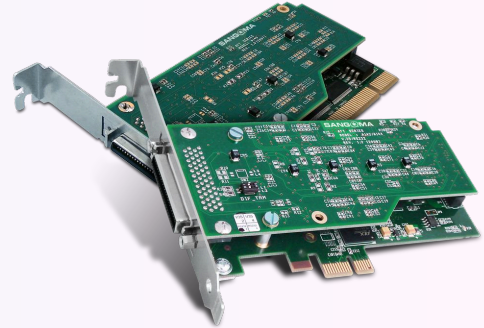
The A142 Synchronous Dual Serial hardware is based on the same advanced engineering design as the award-winning AFT Product Line. Trust the Sangoma® name to deliver optimum data support on standard telecommunications networks.

Technical Specifications

- › Two full-speed primary ports supporting either V.35/RS422/ EIA530 or RS232 serial interfaces.
- › High-speed connections: V.35/RS422/EIA530 to 8 Mbps per port. RS232 to 400 kbps per port.
- › Power: 550 mA at +5 V.
- › PCI Versions are 32 bit (5 V) and 64 bit (3.3 V) compatible.
- › Now available in PCI or PCI Express.
- › Operating temperature range: 0 – 50 °C.
- › Software configurable or by machine BIOS.
- › Dimensions: 2U Form factor: 120 mm x 55 mm for use in restricted chassis.



Dual Serial DB25 Octopus Cable Included.



A142 with PCI Interface.

Data scope Features

- › All modem control lines are monitored
- › Either monitoring only or simulation (transmit and receive).
- › Monitoring or simulation of ATM or HDLC at line speeds above 8 Mbps, BSC at line speeds to 128 kbps.
- › Supports Asynch to 256 kbps, and raw unformatted bit streams to 8 Mbps.
- › Time stamps with a resolution of 100 microseconds or better to allow accurate sequencing of events. Each character can be individually time stamped.

Serial Interfaces

- › V.35, RS422 or EIA530, or RS232 supported on both primary ports.
- › Clocking: Internally generated or external at line speeds to 8 Mbps.
- › NRZ, NRZi, FM0, FM1, Manchester encoding.
- › All ports are RS485 — capable of supporting multipoint lines.

Line Protocols

- > ATM, Frame Relay, X.25, HDLC, PPP, SS7, BSC Point-to-Point, BSC 3270, SDLC, Transparent bit-stream.

Higher Level Protocols

- > IP/IPX over Frame Relay / PPP / HDLC / X.25, X.25 over Frame Relay (Annex G), BSC over X.25 (DMT and TCOP), SNA over X.25, PPPoE, PPPoA, IP over ATM

Operating Systems

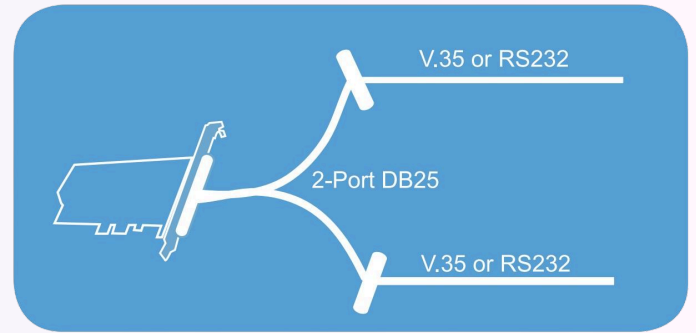
- > Windows® 2000, Windows® XP, Windows® 9x.
- > Linux (all versions, releases and distributions from 1.0 up).
- > FreeBSD.
- > Solaris.

Diagnostic Tools

- > WANPIPEMON®, SNMP, System logs.

Cabling Overview

- > For pinouts see www.sangoma.com



Production Quality

- > ISO 9002

Warranty

- > Lifetime warranty on parts and labour. Plus a 30-day no questions asked return policy.

Ordering Information - Cables, if required, are included at no additional charge.

SKU	DUAL SERIAL INTERFACES	BUS	BAUD RATE PER PORT	CABLES
A142V	V.35/X.21/RS422/EIA530	PCI	8 Mbps	Card ONLY
A142V37	V.35/X.21/RS422/EIA530	PCI	8 Mbps	Dual Serial DB25 Cable Included
A142V3708	V.35/X.21/RS422/EIA530	PCI	8 Mbps	Dual Serial DB25 Cable And V.35 Cable Included
A142R	RS232	PCI	400 Kbps	Card ONLY
A142R36	RS232	PCI	400 Kbps	Dual Serial DB25 Cable Included
A142R3607	RS232	PCI	400 Kbps	Dual Serial DB25 Cable And RS232 Cable Included
A142VE	V.35/X.21/RS422/EIA530	PCIe	8 Mbps	Card ONLY
A142VE37	V.35/X.21/RS422/EIA530	PCIe	8 Mbps	Dual Serial DB25 Cable Included
A142VE3708	V.35/X.21/RS422/EIA530	PCIe	8 Mbps	Dual Serial DB25 Cable And V.35 Cable Included
A142RE	RS232	PCIe	400 Kbps	Card ONLY
A142RE36	RS232	PCIe	400 Kbps	Dual Serial DB25 Cable Included
A142RE3607	RS232	PCIe	400 Kbps	Dual Serial DB25 Cable And RS232 Cable Included