

# Data Products

## ***Product Selection Guide***

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***Orders will only be accepted against a valid quotation.***

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CARP

| PART NUMBER  | DESCRIPTION  |
|--|--|
| <b><i>E1/PRI, LVDS &amp; RS-422A Data Capture Gateway</i></b><br><b>CARP-ASSY-04xx</b> | <b><i>CARP - 12-Stream E1/PRI, LVDS &amp; RS-422A Data Capture Gateway</i></b><br>Supports 3 four-stream E1, LVDS and RS-422A modules; Gigabit Ethernet Host Interface; 10/100MHz Ethernet Control Interface. Supplied with browser-based control & status applet. |
| <b><i>E1/PRI, LVDS &amp; RS-422A Data Generator</i></b><br><b>CARP-ASSY-04xx</b>       | <b><i>CARP - 12-Stream E1/PRI, LVDS &amp; RS-422A Data Generator</i></b><br>Supports 3 four-stream E1, LVDS and RS-422A modules; 10/100MHz Ethernet Control Interface. Supplied with browser-based control & status applet.  |
| <b><i>Please ask for a quotation for your specific requirement.</i></b>                |  |

| PART NUMBER   | DESCRIPTION  |
|---|--|
| <b>E1/PRI Recorder/Replayer - Rackmount Mainframes (typical configurations)</b>   |  |
| PCVD-R1-30xx  | <p><i>1U Rackmount Mainframe</i></p> <p>5-days single-stream data file storage capacity; 100MHz Ethernet; USB-2; DVD-rewriter; BNC signal input/output connectors. Specify RJ-45 or BNC input/output connectors when ordering. Excludes keyboard, mouse, display &amp; speakers. Excludes E1/PRI Recorder/Replayer application software (select from list below).</p>  |
| PCVD-R4-30xx  | <p><i>4U Rackmount Mainframe</i></p> <p>5-days single-stream data file storage capacity; 100MHz Ethernet; USB-2; audio; DVD-rewriter; BNC signal input/output connectors. Specify RJ-45 or BNC input/output connectors when ordering. Excludes keyboard, mouse, display &amp; speakers. Excludes E1/PRI Recorder/Replayer application software (select from list below).</p>   |
| PCVD-R4-30xx  | <p><i>4U Rackmount Mainframe</i></p> <p>15-days single-stream data file storage capacity; 100MHz Ethernet; USB-2; audio; DVD-rewriter; BNC signal input/output connectors. Specify RJ-45 or BNC input/output connectors when ordering. Excludes keyboard, mouse, display &amp; speakers. Excludes E1/PRI Recorder/Replayer application software (select from list below).</p>  |
| <b>E1/PRI Recorder/Replayer - Portable Mainframes (typical configurations)</b>  |  |
| PCVD-N915-30xx  | <p><i>Portable Mainframe with 15.4" LCD display</i></p> <p>5-days dual-stream data file storage capacity; integral TFT display (1280 x 1024); integral keyboard with touchpad; integral amplified speakers; 100MHz Ethernet; USB-2; audio; DVD-rewriter. Physical: 400mm (w) x 333mm (h) x 234mm (d), 13.5kg typical weight; padded trolley bag. Specify keyboard layout when ordering. Specify RJ-45 or BNC input/output connectors when ordering. Excludes E1/PRI Recorder/Replayer application software (select from list below).</p> |
| <b>E1/PRI Recorder and Replayer Application Software</b>  |  |
| PCVD-SWW-1250   | <p><i>Individual-File Recorder application</i></p> <p>Individual-file recording up to the available disk capacity; card diagnostics; signal interface control; input signal monitoring; hex &amp; bitmap data displays; selective timeslot recording; audio timeslot monitoring.</p>   |
| PCVD-SWW-1280   | <p><i>Sequential-File Recorder application</i></p> <p>Sequential-file (endless-loop) recording up to the available disk capacity; card diagnostics; signal interface control; input signal monitoring; hex &amp; bitmap data displays; selective timeslot recording; audio timeslot monitoring.</p>  |
| PCVD-SWW-1100   | <p><i>Replayer application</i></p> <p>Individual-file replay; card diagnostics; signal interface control; hex &amp; bitmap data displays; file dubbing; audio timeslot monitoring.</p>   |
| <b>E1/PRI Analyser Application Software</b>   |  |
| SWW-E1-1930   | <p><i>Signalling Analyser</i></p> <p>Off-line extraction and display of calling and called part numbers, with database function and SQL query tool. Euro ISDN (DSS1) protocol.</p>   |
| SWW-E1-1932   | <p><i>SS#7 Analysis option</i></p> <p>SS#7 protocol option for Signalling Analyser 1930.</p>   |
| SWW-E1-1910   | <p><i>Timeslot Viewer</i></p> <p>Off-line graphical display of timeslot activity, with zoom function. Plays and extract stereo or mono WAV files from selected timeslots. Requires Windows XP. Uses USB Licence Key.</p>   |
| <b>Mainframe Options</b>  |  |
| PC-ACC-032  | <p><i>Fibreglass padded cargo case for N9 portable mainframes</i></p>  |
| <p><b>The above are typical system configurations. Alternative capacities are available on request.<br/>Please ask for a quotation for your specific requirement.</b></p> |  |

| PART NUMBER   | DESCRIPTION  |
|---|--|
| <b>RS-422A Recorder/Replayer - Rackmount Mainframes (typical configurations)</b>  |  |
| <b>PCHS-R1-30xx</b>   | <p><i>1U Rackmount Mainframe</i></p> <p>Recorder and Replayer applications for 1.024Mbits/s to 15Mbits/s single-stream (data + clock) input and output; 250GB data disk capacity; 100MHz Ethernet; USB-2; DVD-rewriter; 15-way D-Type input/output connector. Excludes keyboard, mouse &amp; display.</p>  |
| <b>PCHS-R4-30xx</b>   | <p><i>4U Rackmount Mainframe</i></p> <p>Recorder and Replayer applications for 1.024Mbits/s to 15Mbits/s single-stream (data + clock) input and output; 250GB data disk capacity; 100MHz Ethernet; USB-2; audio; DVD-rewriter; 15-way D-Type input/output connector. Excludes keyboard, mouse &amp; display.</p>   |
| <b>RS-422A Recorder/Replayer Portable Mainframes (typical configurations)</b>   |  |
| <b>PCHS-N915-30xx</b>   | <p><i>Portable Mainframe with 15.1" LCD display</i></p> <p>Recorder and Replayer applications for 1.024Mbits/s to 15Mbits/s single-stream (data + clock) input and output; 250GB data disk capacity; integral TFT display (1280 x 1024); integral keyboard with touchpad; integral amplified speakers; 100MHz Ethernet; USB-2; audio; DVD-rewriter; 15-way D-Type input/output connector. Physical: 400mm (w) x 333mm (h) x 234mm (d), 13.5kg typical weight; padded trolley bag. Specify keyboard layout when ordering.</p> |
| <b>LVDS Recorder/Replayer - Rackmount Mainframes (typical configurations)</b>   |  |
| <b>PCHS-R1-30xx</b>   | <p><i>1U Rackmount Mainframe</i></p> <p>Recorder and Replayer applications for 1.024Mbits/s to 55Mbits/s single-stream (data + clock) input and output; 250GB data disk capacity; 100MHz Ethernet; USB-2; DVD-rewriter; 15-way D-Type input/output connector. Excludes keyboard, mouse &amp; display.</p>  |
| <b>PCHS-R4-30xx</b>   | <p><i>4U Rackmount Mainframe</i></p> <p>Recorder and Replayer applications for 1.024Mbits/s to 55Mbits/s single-stream (data + clock) input and output; 250GB data disk capacity; 100MHz Ethernet; USB-2; audio; DVD-rewriter; 15-way D-Type input/output connector. Excludes keyboard, mouse &amp; display.</p>   |
| <b>LVDS Recorder/Replayer Portable Mainframes (typical configurations)</b>  |  |
| <b>PCHS-N915-30xx</b>   | <p><i>Portable Mainframe with 15.4" LCD display</i></p> <p>Recorder and Replayer applications for 1.024Mbits/s to 55Mbits/s single-stream (data + clock) input and output; 250GB data disk capacity; integral TFT display (1280 x 1024); integral keyboard with touchpad; integral amplified speakers; 100MHz Ethernet; USB-2; audio; DVD-rewriter; 15-way D-Type input/output connector. Physical: 400mm (w) x 333mm (h) x 234mm (d), 13.5kg typical weight; padded trolley bag. Specify keyboard layout when ordering.</p> |
| <b>Mainframe Options</b>  |  |
| <b>PC-ACC-032</b>   | Fibreglass padded cargo case for N9 portable mainframes  |
| <p><b>The above are typical system configurations. Alternative capacities are available on request. Please ask for a quotation for your specific requirement.</b></p> |  |

| PART NUMBER   | DESCRIPTION  |
|---|--|
| <i>R2D3 cards are PCI-X compatible and require both 3.3V and 5V power on the PCI bus connector.</i> |  |
| <b>E1/PRI Data Capture Cards</b>  |  |
| <b>R2D3-ASSY-0426</b>   | <i>R2D3 - Dual-stream E1/PRI Input/Output Card<br/>Dual-stream 2,048 kbits/sec HDB3 (G.703/G.704). Selectable 75 Ohm / 120 Ohm / 40 kOhm termination. BNC input/output connectors.</i>   |
| <b>R2D3-ASSY-0427</b>   | <i>R2D3 - Dual-stream E1/PRI Input/Output Card<br/>Dual-stream 2,048 kbits/sec HDB3(G.703/G.704). Selectable 75 Ohm / 120 Ohm / 40 kOhm termination. RJ-45 input/output connectors.</i>  |
| <b>RS-422A Data Capture Card</b>  |  |
| <b>R2D3-ASSY-0440</b>   | <i>R2D3 - Single-stream RS-422A Input/Output Card<br/>Up to 15Mbits/s data throughput. 15-way D-Type signal input / output connector.</i>  |
| <b>LVDS Data Capture Card</b>   |  |
| <b>R2D3-ASSY-0420</b>   | <i>R2D3 - Single-stream LVDS Input/Output Card<br/>Up to 60Mbits/s data throughput. 15-way D-Type signal input / output connector.</i>   |
| <b>Recorder and Replayer Application Software</b>   |  |
| <b>SWW-E1-1200</b>  | <i>E1/PRI Recorder application<br/>Individual-file recording up to 2 hours per file (full-frame); selective timeslot recording; card diagnostics; signal interface control; input signal monitoring; hex &amp; bitmap data displays; audio timeslot monitor through PC sound card; single/dual-stream selection. Requires Windows XP Professional. Uses USB Licence Key. For use with R2D3-ASSY-0426 and R2D3-ASSY-0427.</i> |
| <b>SWW-E1-1100</b>  | <i>E1/PRI Replayer application<br/>Individual-file replay; card diagnostics; signal interface control; hex &amp; bitmap data displays; audio timeslot monitor through PC sound card; single/dual-stream selection; file dubbing. Requires Windows XP Professional. Uses USB Licence Key. For use with R2D3-ASSY-0426 and R2D3-ASSY-0427.</i>   |
| <b>SWW-E1-1000</b>  | <i>E1/PRI File Reader Application<br/>Individual-file replay; Hex &amp; bitmap data displays; audio timeslot monitor through PC sound card; replay file-stitching; full-frame and selected timeslot dubbing; single/dual-stream selection. Requires Windows XP Professional. Uses USB Licence Key.</i>   |
| <b>SWW-SDR-1310</b>   | <i>RS-422A Recorder application<br/>Individual-file recording; 1.024Mbits/s to 15Mbits/s input data rate; hex data display. Requires Windows XP Professional. Uses USB Licence Key. For use with R2D3-ASSY-0440.</i>   |
| <b>SWW-SDR-1320</b>   | <i>RS-422A Replayer application<br/>Individual-file replay; variable output data rate under external clock control; hex data display. Requires Windows XP Professional. Uses USB Licence Key. For use with R2D3-ASSY-0440.</i>   |
| <b>E1/PRI Analyser Application Software</b>   |  |
| <b>SWW-E1-1910</b>  | <i>Timeslot Viewer<br/>Off-line graphical display of timeslot activity, with zoom function. Plays and extract stereo or mono WAV files from selected timeslots. Requires Windows XP. Uses USB Licence Key.</i>   |
| <b>Developer Kits</b>   |  |
| <b>PC-SW-0001</b>   | <i>WinRT Version 4.1<br/>Device Driver Development Software. (Please note that there is no longer any support for this software from the developer.)</i>   |
| <b>R2D3-ASDK-0003</b>   | <i>Software Developer Kit for LVDS/RS-422A cards<br/>CD-ROM with Programmer's Reference Guide; sample C++ code and sample executables. Excludes WinRT Device Driver Development Software.<br/>For use with R2D3-ASSY-0420 and R2D3-ASSY-0440.</i>  |
| <b>R2D3-ASDK-0004</b>   | <i>Software Developer Kit for E1/PRI cards<br/>CD-ROM with Programmer's Reference Guide; sample C++ code and sample executables. Excludes WinRT Device Driver Development Software.<br/>For use with R2D3-ASSY-0426 and R2D3-ASSY-0427.</i>  |
| <b>SWW-E1-1922</b>  | <i>Pipe Server application<br/>Provides a simple interface for the end-user application to receive one or two data pipes from the R2D3 card for data capture applications. For use with R2D3-ASSY-0426 and R2D3-ASSY-0427.</i>   |
| <b>Please ask for a quotation for your specific requirement.</b>                                    |  |

## E1DT

| PART NUMBER           | DESCRIPTION   |
|-----------------------|---|
| <b>E1DT-ASSY-0058</b> | <i>E1DT - E1/PRI Splitter / Buffer</i><br>Dual RJ-45 line connectors. Monitor outputs on a single RJ-45 connector (pins 1/2 and 4/5). +6V to +12V DC operation, 2.1mm power connector. For use with devices that monitor both Tx and RX on the same input connector.                  |
| <b>E1DT-ASSY-0059</b> | <i>E1DT - E1/PRI Splitter / Buffer</i><br>Dual RJ-45 line connectors. Monitor outputs on two RJ-45 connectors (pins 1 & 2). +6V to +12V DC operation, 2.1mm power connector. For use with devices that monitor Tx and RX on two input connectors, including SomerData R2D3-ASSY-0327. |
| <b>E1DT-CABL-0060</b> | <i>BNC - RJ-45 Cable</i><br>1M cable for BNC connection to E1DT line input. Twin BNC - Single RJ-45 (pins 1/2 and 4/5)  |
| <b>PSU-0019</b>       | <i>AC Power Adapter</i><br>UK 3-pin plug with 2.1mm DC output connector   |
| <b>PSU-0018</b>       | <i>AC Power Adapter</i><br>European 2-pin plug with 2.1mm DC output connector   |

ECLV

| PART NUMBER           | DESCRIPTION   |
|-----------------------|---|
| <b>ECLV-ASSY-0029</b> | <i>ECLV - Two-stream ECL / LVDS Interface Converter</i><br>Conversion between ECL (10KH) data + clock (BNC input/output connectors) and LVDS data + clock (RJ-45 input/output connectors). 1U rack-mount case. 90V - 240V AC power. |

## E1LA

| PART NUMBER           | DESCRIPTION   |
|-----------------------|---|
| <b>R2D2-ASSY-0036</b> | <i>E1LA - E1/PRI Interface Adapter - 120 Ohms / 75 Ohms conversion</i><br>RJ-45 connector for 120 Ohms balanced input / output. BNC female connectors for 75 Ohms unbalanced input and output. One adapter required per E1 stream (excludes input / output cables). |
| <b>CABL-0032</b>      | <i>RJ-45 Connector Cable</i><br>1M crossover cable for connection between R2D3 (120 Ohms balanced) and E1 Interface Adapter. For use with R2D3-ASSY-0327.   |
| <b>CABL-0033</b>      | <i>BNC Connector Cable</i><br>1M dual-coax G.703 cable for connection between R2D3 (75 Ohms unbalanced) and E1 Interface Adapter. For use with R2D3-ASSY-0327.  |

## ETDT

| PART NUMBER           | DESCRIPTION   |
|-----------------------|---|
| <b>ETDT-ASSY-0039</b> | <i>ETDT - Ethernet Splitter / Buffer</i><br>10BASE-T and 100BASE-TX compatible. Parallel RJ-45 network port connectors. High-impedance buffer input. 100 Ohms buffer output on dual RJ-45 connectors (pins 1 & 2). 6V - 12V DC operation 2.1mm power connector. |
| <b>PSU-0019</b>       | <i>AC Power Adapter</i><br>UK 3-pin plug with 2.1mm DC output connector   |
| <b>PSU-0018</b>       | <i>AC Power Adapter</i><br>European 2-pin plug with 2.1mm DC output connector   |