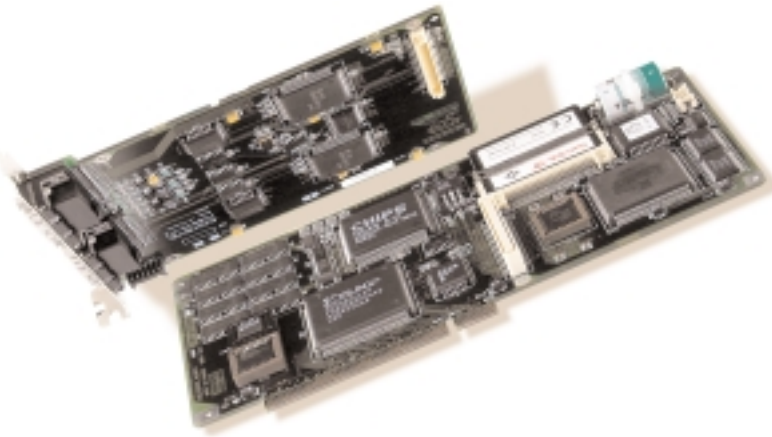


# WAN HDLC high bandwidth communication controllers



## Characteristics ...

- ▶ 2 or 4 HDLC 4 Mbps WAN links for PCI and Compact PCI 6U bus with 'Hot Swap' functionality
- ▶ Multiple-mode electric interface: RS232, RS422, RS485, RS449, EIA530, V35, V36, X21
- ▶ Protocols: Raw mode HDLC/SDLC, HDLC ABM/LAPB, HDLC NRM/SDLC, X25, BSC, transparent mode ...
- ▶ PCI & Compact PCI bus with Rear I/O and 'Hot Swap' functionality
- ▶ x86 100 Mhz Pentium-class processor dedicated to protocol management
- ▶ Up to 16 Mb of system RAM

## MCX-PCI/570 & MCX-CPCI/570

### HDLC series multiple-protocol communication controller card for PCI and Compact PCI bus



5 YEAR WARRANTY



The MCX-PCI/570 (PCI) and MCX-CPCI/570 (Compact PCI) cards enabled heterogeneous multiple protocol links to be established and administered while using a very low part of the host system's resources. Thanks to the Windows NT and Windows 2000 device drivers and to the Win32 communication APIs, these cards are very simple to install and highly flexible to use.

Designed to last, the MCX-PCI/570 and MCX-CPCI/570 cards have been built to withstand and operate in the most rugged and demanding conditions (telecoms systems for Navy vessels, radar data management at civil and military airfields, railway systems, network traffic analysis, high bandwidth telecommunications, etc.).

# DETAILED CHARACTERISTICS

<b>Hardware type</b>	<i>WAN HDLC intelligent communication card for PCI &amp; Compact PCI machines.</i>
<b>Number of channels</b>	<i>2 or 4 channels built around a HD64570-16 controller with integrated timers and DMA channels.</i>
<b>Connection</b>	<i>Output via 2 x 26-pin SUB D connectors (2 channel model), or 4 x 25-pin SUB D connectors on external duplexer (4 channel model) (except REAR-IO model: 2 or 4 x 26-pin SUB D connectors).</i>
<b>Electrical interface</b>	<i>Multi-mode, software programmable (RS232, RS422, RS485, RS449, EIA530, V35, V36, X21).</i>
<b>Signals</b>	<i>V28 TD, RD, RTS, CTS, DSR, DTR, DCD, RI, TxC, RxC V11 <math>\pm</math>TxD, <math>\pm</math>RxD, <math>\pm</math>TxC, <math>\pm</math>RxC, <math>\pm</math>RTS, <math>\pm</math>CTS, <math>\pm</math>DSR, <math>\pm</math>DTR, <math>\pm</math>DCD, <math>\pm</math>RI V35 A, P, S, R, T, C, D, E, B, F, V, X</i>
<b>Bandwidth</b>	<i>4 Mbps synchronous with internal or external clock, 521 Kbps asynchronous.</i>
<b>On-board processor</b>	<i>x86 100 Mhz Pentium-class processor dedicated to protocol handling.</i>
<b>System RAM</b>	<i>Up to 16 Mb of system memory, and up to 200 Mb of additional storage.</i>
<b>On-board protocols</b>	<i>Raw mode HDLC/SDLC, HDLC ABM/LAPB, HDLC NRM/SDLC, X25, BSC, transparent mode. The protocol management software is stored in FLASH memory to make upgrades simple (all these protocols have been developed by ACKSYS).</i>
<b>Specific protocols</b>	<i>It is possible to add specific or custom protocols to the existing set of protocols supported.</i>
<b>Operating systems</b>	<i>Windows NT &amp; Windows 2000; for any other OS, please contact us</i>
<b>Machines supported</b>	<i>PCI &amp; Compact PCI: Any machine equipped with a PCI or a Compact PCI bus - 32 bits V2.1 &amp; 2.2, 33 Mhz, 5V, with 'Hot Swap' functionality, complying with PICMG specifications</i>
<b>Dimensions</b>	<i>PCI : 215 mm x 115 mm Compact PCI: 6U Front I/O size, REAR I/O module optional</i>
<b>Operating conditions</b>	<i>Relative humidity: 95% at 25°C Temperature: -5°C to +65°C Storage: -25°C to +70°C</i>
<b>Power rating</b>	<i>PCI model, 4 channels: +5VDC/1.2 A Compact PCI model: +5VDC 550 mA, +3VDC/650 mA</i>

## Reference numbers for ordering

<b>MCX-PCI/570-x</b>	<b>WAN HDLC, 2 or 4 channels, bus PCI</b>
<b>MCX-CPCI/570-x</b>	<b>WAN HDLC, 2 or 4 channels, Compact PCI, Front I/O</b>
<b>MCX-CPCI/570-x-R</b>	<b>WAN HDLC, 2 or 4 channels, Compact PCI, REAR I/O</b>

**HOT LINE**  
+33 1 39 11 62 81

All the brand names mentioned in this document are registered trademarks. ACKSYS is constantly looking at ways to improve its products. The current specifications may therefore be modified without notice and the characteristics set out herein should not be construed as creating any contractual obligation. All the products featured herein are designed and manufactured in France.