

Intelligent Communications Adapter

“Now Available on the GSA”

The Sunhillo Intelligent Communications Adapter (ICA) is a fully integrated communications co-processor designed to support 8 synchronous serial ports while only occupying a single Peripheral Component Interconnect (PCI) bus slot.

- Provides multiple high-speed serial connections from a single PCI bus slot
- Supports a wide array of physical/electrical interfaces
- Radar protocol drivers and API for custom programming are also available
- 100% compatible to the Emulex DCP-486p card .
- Enhanced to support 64-bit PCI v2.2 at 66Mhz (while maintaining 32-bit/33Mhz backward compatibility)
- No DIP switches - clock settings are software-based
- Commercial off-the-shelf product utilizing non-proprietary PCI bus technology
- 3.3v and 5v universal PCI connector

Exceeds bandwidth requirements for data communication applications without impacting system resources

ICA operation does not impact the host PC/Server CPU utilization. The ICA includes an on-board CPU, memory, and I/O circuitry to offload its host of the processing required to establish and maintain serial communication links.

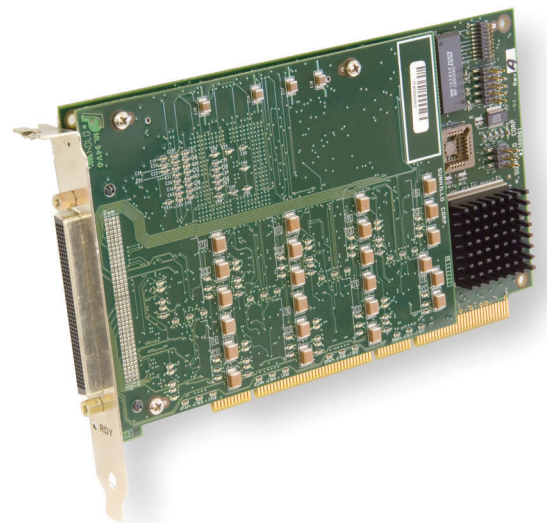
Each Serial Interface is Individually Configurable

All 8 ports of the Intelligent Communication Adapter card are individually configurable providing the user with the flexibility to configure each port to a unique physical/electrical interface (i.e. RS-232, RS-422, and others defined in the features section below.).

Radar Protocol Drivers and API also Available

A customized API development environment and custom-made drivers are also available for users who need to develop data communication applications such as radar interfaces.

The software drivers and API development environment supports interfacing with typical air traffic control radar and data interfaces, such as CD-2 radar, TPS-75, ASR-9, ASR-11, ARSR-4, FPS-117, MAR, HDLC, SDLC, FAA inter-facility (INTI/INTO) and others.



Features

- The upgraded original Emulex DCP-486p
- On-board 75MHz 80486DX4 processor
- Supports PCI v2.2 at 66Mhz (backward compatibility supports 33Mhz)
- 8 sync/async serial ports
- Individually port configurable for: RS232/EIA232 (V.24/V.28), RS422 (V.11), RS-449, X.21, V.35.
- 1MB user-accessible on-board memory
- Supports multiple T1/E1 (1.544/2.048 Mbps) line speeds
- Supports PCI Plug and Play

Technical Specifications *(based on the Emulex DCP-486p)*

Motherboard

- On-board microprocessor
- 75 MHz 80486DX4 Bus/System compatibility
- 64-bit PCI Serial Chip (backward compatibility supports existing 32-bit applications)
- Hitachi HD64570 UART
- 1MB DRAM

Operating Systems

- Linux
- AIX
- Solaris
- Windows 2000, NT, XP

Power Requirements

- + 5v @ 1.9 Amps, 3.3v

Dimensions

- 4.2" x 6.875" (Short form factor per PCI Specification V2.0)

Temperature Limits

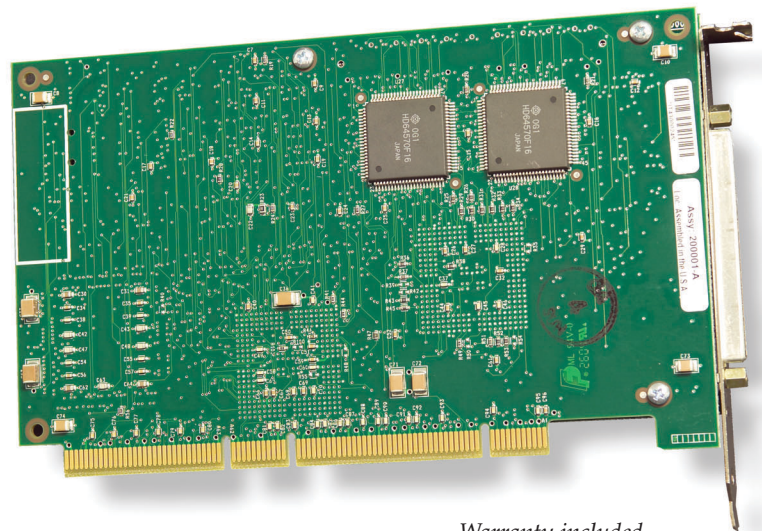
- Storage: -65°C to 150°C
- Operating: 10°C to 43°C

Relative Humidity

- Storage: 10% to 95%
- Operating: 20% to 80%
- Non-condensing

Agency Certifications

- UL recognized to UL60950
- FCC, part 15, Class A
- CAN/CSA C22.2 No. 60950 (i.e., the Canadian ANSI/UL 60950 equivalent)



Warranty included