

the plastic card specialists

ACK30 ChipGear Keyboard



The ACK30 ChipGear™ Keyboard with built-in smartcard reader takes integration to the next step. This keyboard features complete multimedia support, power management, and programmable keys to launch your favorite applications. Combined with the integrated ACR30 smartcard reader, the ChipGear™ Keyboard is a high performance component for security, e-commerce, and other smartcard applications.

The ACK30 uses a PS/2 interface for the keyboard component, and the smartcard reader is available with a Serial or USB interface.

Keyboard Features

- PS/2 interface with 18 multimedia hot keys support (back, forward, stop, refresh, search, favorites, home, mute, volume-, volume +, previous track, stop, play, next track, media, calculator, my computer)
- 4 programmable keys
- ACPI power management key support: power, sleep and wakeup
- Fixed wrist rest

Smartcard Reader Features

- ISO 7816 -1/2/3 and PC/SC Compliant
- Certified by CE, FCC, and Microsoft WHQL
- Interface library for efficient PC application software development
- 32-bit DLL files for Windows 95, 98, ME, NT, 2000 and XP
- PC/SC compliant IFD handler
- Compatible with most PC platforms: Windows 98, Me, NT, 2000, XP, Linux, and Mac
- Read and write all microcontroller cards with T=0 and T=1 protocols
- Read and write most popular memory cards: SLE 4406, SLE 4418, SLE 4428, SLE 4442, AT24C02 - 16, ST 1305, ST 1402C, ST14C04C
- Does not take up any additional workspace

Development Tools

The ACK30 can be used in conjunction with a variety of development toolkits to match your smartcard requirements. These include the Advanced Card Software Development Kit as well as toolkits for BasicCard, Java, and MULTOS.

Economical

Combining the same single chip architecture used with the popular ACR30 smartcard reader writers, the ACK30 provides a cost-effective solution for widespread desktop implementations.

The ACK30 ChipGear™ Keyboard combines a smartcard reader with a multimedia keyboard, making it the most convenient way to use smartcards on a daily basis.

Technical Specifications

- PS/2 + Serial or USB interface
- Supply Voltage: Regulated 5 VDC
- Key Numbers: 108/109/113 (US/EU/JP)
- Switch Mechanism: Membrane
- Switch reliability: 10 million cycles
- Operating Temp: 0-40 °C
- CLK frequency: 4 MHz
- Standards / Certifications: ISO 7816-1/2/3
PC/SC, CE, FCC, NETS

Operating System Support:

Windows 98, Me, NT, 2000, XP, Linux and Mac