Auto-ID Products

Barcode Products, Magstripe Reader/Encoder, POS System & Components

- *One-Stop Shopping*   - *Prompt Delivery*
- *Large Inventory*   - *Superior Customer Service*

Insist on the Best

Bar Code Products
Converter series

eCOV-100
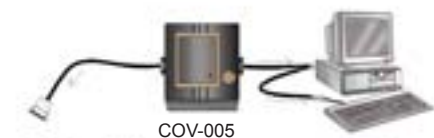### *Ethernet-to/from-1 Serial Converter*
- One port for RS-232.
- One female RJ-45 port for 10M LAN TCP/IP transmission.
- 8 bit CPU, 32K SRAM and 32K ROM.
- The lowest cost and the best solution of AIDC & Remote control applications.

eCOV-432
Ethernet-to/from-4 Serial Converter
- Three RS-232 ports and One RS-232/422/485 port. Totally 4 serial signal devices can be connected to the converter, and communicate with host through one LAN port.
- One female RJ-45 port for 10M LAN TCP/IP transmission.
- 8 bits CPU, 128K SRAM and 32K ROM.
- Software development can be supported by Windows WINSOCK SDK Development Utility.

COV-005

COV-004

COV-004/005
RS-232 to Keyboard Wedge Data Converter
- Converts RS-232 data to keyboard data, appears as typed by the keyboard.
- The RS-232 communication parameters of input port and the keyboard wedge parameters of output port are user-configurable.

COV-747
1-to-4 *RS-232 HUB*
- One master port, connected to Host RS-232 port.
- Four slave RS-232 ports, can be connected to 4 devices with RS-232 interface.
- Communication baud rate of every port are configurable.
- One HUB utility software diskette is bundled.
- The ID of every port is clearly defined.
- Bi-directional communication.
- Powerful and easy to use.

Bar Code Products
CCD / Laser Scanners

LAG-960 Series
Laser Series
- High quality & high sensitivity.
- Scan speed: about 33 or 100 scans per second.
- Reading resolution: 0.125mm (5 mil)
- Reading depth:0 to about 2000mm, depend on different models.
- Interfaces support: keyboard wedge, RS-232, TTL, USB, and wand emulation.

KS-380 Series
Laser Scanner
- High quality & high sensitivity.
- Scan speed: about 33 or 100 scans per second.
- Reading resolution: 0.125mm (5 mil)
- Reading depth:30 to about 2000mm, depend on different models.
- Interfaces support: keyboard wedge, RS-232, TTL, USB, and wand emulation.

TS-4500 Series
Extra-Range CCD Scanner
- Reading depth: 3 cm up to 45 cm, depend on different resolutions.
- Photosensor: 3,648 pixels CCD
- Resolution: from 4 mil (0.10mm)
- Scan speed: 100 scans per second
- Interfaces support: keyboard wedge, RS-232, wand emulation, TTL, OCIA, USB, and etc.

CCD-80 Series
CCD Scanner
- High resolution and reliability.
- Models available: TTL output, keyboard wedge type, RS-232 serial, USB and wand emulation type.
- USB interface is available by simply changing the USB cable.
- Notebook interface, independent with Notebook maker and models.

CCD-8000/8050
CCD Scanner
- High resolution and reliability.
- Models available: TTL output, keyboard wedge type, RS-232 serial, USB and wand emulation type.
- USB interface is available by simply changing the USB cable.

CCD-8050   CCD-8000

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◾ Bar Code Products
Slot / Wand / Fixed CCD Scanner

SLR-70

SLR-700

SLR-70/SLR-700
Slot Scanner
- Optional visible-red and infrared light source.
- Interfaces support: TTL output, keyboard wedge , RS-232 serial and USB.
- High resolution: 4 mil (0.1mm) at PCS 0.9
- Splash proof desigh can be requested.
- SLR-700 Series provide metal housing, while SLR-70 Series provide plastic housing.

PEN-400 Series
Light Pen
- Rugged, lightweight and easy to use.
- High resolution, 4 mil (0.1mm) at PCS=0.9
- Replaceable tip, easy to maintain.
- Visible red (660mm) LED light source.
- Interfaces support: TTL output, keyboard wedge, RS-232 serial and USB.

FCCD-604
Fixed CCD Scanner
- 3~5 cm scan depth apply for reading fixed distance.
- Smallest fixed CCD scanner.
- Interfaces support: TTL output, keyboard wedge , RS-232 serial and USB.
- Dimensions: 62mm(L)x50mm(W)x28mm(H)

FLAG-900 Series
Fixed Laser Scanner
- Triggerless operation, for industrial automation.
- Interfaces support: keyboard wedge or RS-232.
- Versions: 33 scan/sec. or 100 scan/sec.
- Dimensions: 52mm(L)x48mm(W)x34mm(H)

FS-4510
Fixed Long Range CCD Scanner
- 3~45 cm scan depth
- High scan speed, 100 scans per second.
- High reading performance, readable from 4 mil high resolution barcode.
- Interfaces support: TTL output, keyboard wedge , RS-232 serial and USB.
- Dimensions: 64mm(L)x69mm(W)x37mm(H)

■ Bar Code Products
Omnidirectional Scanner & Barcode Modules

FS-4520
Handheld/Fixed Long Range CCD Scanner
- Handheld or hand-free to use the scanner.
- 3~45 cm scan depth
- High reading performance, readable from 4 mil high resolution barcode.
- Interfaces support: keyboard wedge, RS-232, USB, wand, TTL, and etc.

SR-070/078
Slot-Reader Module
- SR-070: 3mm LED light source module
- SR-078: 5mm LED light source module
- Resolution: 5mil (0.125mm)
- Optional 90mm and 100mm length housing
- Optional Visible-red or Infrared light source.

CD-604
Smallest CCD Module
- 3~5 cm scan depth
- World smallest CCD module, easy for application.
- Decoder PCB also can be requested.
- Dimensions: 50mm(L)x45mm(W)x16mm(H)

CD-610

CD-610
Compact CCD Module
- 5~10 cm scan depth
- Resolution: 4 mil
- Decoder PCB can be requested.
- Dimensions: 50mm(L)x45mm(W)x16mm(H)

CD-630

CD-380/CD-630
Extra-Range CCD Module
- 3~45 cm scan depth
- Photosenser: 3,648 pixels CCD sensor
- Resolution: readable from 4 mil (0.1mm)
- Dimensions: 61mm(L)x76mm(W)x19mm(H)

CD-380

Bar Code Products
Barcode Decoder and Adapter

USB-004
USB Adapter
- Keyboard signal switches to USB input signal.
- 2 keyboard input ports provided for connecting up to two keyboard wedge devices.
- Optional AT, PS/2, Mac. keyboard adapter.
- Optional RS-232 to USB adapter.

PKB-004
Pseudo Keyboard
- Can be used to emulate a PC/AT/PS2 keyboard.
- To handshake with the Notebook PC, play the same role as an external keyboard.
- Current consumption is less than 5 mA.
- Notebook maker and model independent.

BCK-004
Mini-Decoder
- Automatically recognizes barcode Wand / Slot / CCD / Laser scanner.
- Reading most used type of barcodes.
- Available for keyboard wedge or RS-232 interface.
- Y-type mini-size housing, called as "Cable Decoder".

BCK-115
Keyboard Wedge Reader
- Connecting with PC/XT/AT, PS/2, MAC. and IBM Terminals (3196/3197/3476/3477).
- Dual input ports that support barcode and single/dual track magnetic stripe input.
- Auto-discriminates common barcodes

BCK-008
Mini-Decoder
- Automatically recognizes barcode Wand/Slot /CCD/Laser scanner and Magstripe card reader.
- Supports single, dual and triple tracks of mag-stripe card reader.
- Support both keyboard and RS-232 interfaces.
- Keyboard wedge connecting with PC / XT / AT, PS/2, Mac., NEC98 series and IBM 3196 / 3197 /3476 /3477.
- An earphone jack is specially designed for operating in noisy environment.

Handheld Data Collector

PDC Series
Portable Data Collector

- Built-in battery, stand-alone operation.
- Memory size: 512 K Bytes Flash ROM memory.
- Processor: 80C31 8-bit microprocessor CPU.
- Bi-directional card swipe and read capability.
- Optional Barcode or Magstripe decoding.
- 9VDC battery or AC-to-DC adapter can be used to support the operating power.
- One standard 9VDC Alkaline battery can support more than 4 hours field operation.
- Weighs only 100 grams, easy for carring and using.
- Bundled one PDC utility, easy to view the last data address, to download data and to erase data.
- Good read indicators by beep and LED illumination.
- Two ON/OFF dip-switches to control beep sound and power.

IC Card Reader/Writer

ICRW-6000
EasySmart ©

- Easy solution for using smart card.
- One set of password for protecting data write-in.
- Most competitive pricing.
- Landing contact mechanism, guarantee 200,000+ cycles operation life.
- Easy to be connected via RS-232C port to PC, or any serial device.
- Support commands set, can be run in Windows environment or DOS.
- Read/Write conditions can be indicated by LEDs.
- Internal & External models are optional.
- High reliability by manually inserted card operation with landing contact mechanism.
- Low power consumption.
- Light weight and least parts design for easy and flexible applications.

Accessories

Holder

- Hol-002 Pen Holder
- Hol-004 CCD Holder
- Hol-005 CCD Holder
- Hol-090 Holder for laser scanner
- Hol-098 Auto-Stand for long-range scanner (KS-380 and TS-4500)
- Hol-960 Auto-Stand for LAG-960 laser scanner

Hol-002

Hol-098

Hol-090

Hol-005

Hol-004

Hol-960

Cables & Adapters — *OEM/ODM are Welcome*

PSC Cables
- Cables for PSC-53XX series
- Cables for PSC-6000 series
- Cables for PSC-PowerScan series

Welch Allyn, Symbol, Percon Cables
- Cables for Symbol LS series
- Cables for Welch Allyn scanner
- Cables for Percon laser scanner

USB Cables
- USB cable for common laser/CCD scanner

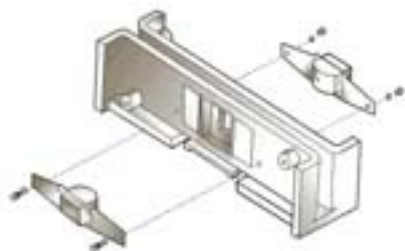### *Decoder and Interface Cable*
- For common decoders
- For most of common interfaces

Adapter
- Power adapters
- 110/220V AC input, 250mA~20A DC output
- For most of area standards

Magstripe Reader/Encoder
Magnetic Head, Decoder IC & TTL Reader

MHD-Single/Dual/Triple
Magnetic Head
- Read only, write head can be requested.
- Optional versions :
  300,000 passes or *1,000,000* passes guarantee.
- Custom brackets are available upon request.

MIC 030
F2F Decoder IC
- Special design for superior performance of bi-directional card swiping.
- MIC-030 for triple tracks (210 dpi, 75 dpi, 210 dpi) decoding.
- Technical data, electronic circuit and finished PCB can be upon request.

MCR Series
TTL Reader
- The MCR Series are undecoded TTL reader.
- The TTL readers are desinged with low power CMOS for TTL interface.
- Accept OEM request for special size and interface.
- The readers are offered with or without cover.
- Available for single, dual and triple track configurations.
- Compatible with ISO and JIS Standard.
- 43mm, 90mm and 100mm length MCR housing are ready to support.
- Slim-type MCR compatible with Omron.

MCRD & MSRD Series
Dual Head Swipe Reader
- Swipe card by either side.
- More convenient, but lower price.
- Support TTL reader and decoded reader.
- Patented in USA, China and Taiwan.

Magstripe Reader/Encoder

Magstripe Decoded Reader & Encoder

MSR Series
Magstripe Decoded Reader for Keyboard or Serial Interface

- The compact decoded readers are available for single, dual and triple track.
- The keyboard wedge model can connect to the PC XT/AT PS/2 and compatibles, languages and output data format are selectable by dip switch.
- The serial interface model transmits data in ASCII code by dip-switch setting.
- Special data format, U. S. California Driver License, for example, can be requested.

MMSR/TMSR Series
Mini-size Reader

- Mini-size magstripe decoded reader for keyboard or serial interface.
- 100mm length, compact size.
- Support single, dual and triple track reading.
- Programmable by PC keyboard or software configuration through serial port.

TMSR   MMSR

MSE-630T Series
Magstripe Card & Passbook Encoder

- Compatible with ISO 7811/2, 7811/4, 7811/5 for reading and encoding data in track 1, track 2, track 3 that exist in magnetic stripe.
- Provide RS-232 interface to host.
- Built-in high level serial interface commands set.
- Bundled with software demo-package.
- Passbook encoder/reader is available.

BMR-800 Series
Barcode/Magstripe Two-in-One Reader

- One side for barcode card, reading most commonly used symbologies.
- The other side for magstripe card, reading single, dual and triple tracks compliant with ISO and JIS standards.
- The barcode reading light source can be optional visible red or infrared LED.
- Keyboard wedge connection supports: PC/XT/AT, PS/2, Macintosh, NEC 98 series and IBM Terminals (3196/3197/3476/3477).
- Serial connection supports standard RS-232 ports on most computers.
- Accept OEM request for TTL module with Two-in-One reader.

POS Receipt Printer

Direct Thermal Receipt Printer

PRP-058 Series

- Maximum label width: 57.5mm ± 0.5mm
- Effective print width: 48mm
- Print speed: 52mm/sec. or 14 lines/sec.
- Print density: 384 dots/line or 8 dots/mm
- Print head life: 50km
- Halt-on protect function for over heat.
- Optional serial and parallel ports.
- Cash drawer connection port.
- ESC/POS print commands set.
- Dimensions:
  180mm(L)x114mm(W)x90mm(H)

POS components

POSmall
Mini-POS Syatem

- POSmall, the powerful PC is housed in aluminum alloy casing measured by 25.5(L) x 14.5(D) x 4.2(H)cm
- The ideal POSmall, small foot print is easily placed at anywhere or even under front desk of POS applications.
- POSmall's rich I/O ports are flexibly to attach a variey of POS peripherals.
- Advanced thermal control function enables the computer works quictly and extends its life.

VFD-650/DSP-650
VFD/LCD Customer Display

- The most slim customer display on the market.
- Vacuum Fluorescent Display (VFD) or Liquid Crystal Display (LCD)
- Display up to 40 characters (20 columns x 2 lines)
- Large font (9.2 x 6.4mm VFD) or (6.00 x 9.66mm LCD) is easy to read.
- Fascinating design makes friendly communication with customers.
- Pass through function is provided.
- Beige, black, and semi-transparent casing.

VFD-650   DSP-650

POS Components
Customer Display
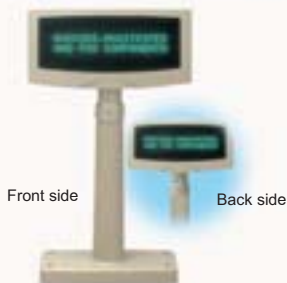

DSP-420   DSP-430

DSP-440

VFD-450   VFD-550

Front side   Back side

VFD-488

DSP-420/430
LCD Customer Display
- Liquid Crystal Display (LCD).
- Displays up to 40 characters
  (20 characters x 2 lines).
- Large font (6.00mmWx9.66mmH or 6.00mmW
  x13.95mmH), easy to read.
- LED or CCFL backlight for providing high
  display quality.
- Optional language versions: English/Japanese,
  English/European, English/Russian and etc....
- Optional back side mini LCD panel for
  operator.

DSP-440
Graphic LCD Customer Display
- 3 lines x 15 characters.
- User's graphic file can be downloaded and save
  in the flash memory.
- International character sets are available.
- The display panel and telescopic pole are
  adjustable to provide the best viewing angle.

VFD-450/550
VFD Customer Display
- Vacuum Fluorecent Display (VFD)
- Display up to 40 characters
  (20 columns x 2 lines).
- Large font (9.2 x 6.4 mm) is easy to read.
- Provides RS-232C interface with baud rate
  selectable from 300 to 9600 bps.
- Optional back LCD display for operator.
- Optional base/pole for various application.

VFD-488
Double-side VFD Customer Display
- Both sides display same message.
- Easy viewed by operator.
- RS-232 interface, easy to install as one side
  display.
- Optional base/pole for various application.

POS Components
POS Keyboard

PKB-018/020
PKB-018(M)(B)-18 Keys keypad
PKB-020(M)(B)-20Keys keypad

- 18/20 keypad.
- Individual or parallel operation with standard 101 keyboard by Y-type cable.
- Cherry mechanical key switch.
- PKB-018/020M is the model with Magstripe reader.
- PKB-018/020B is the model with Barcode reader.

PKB-059
59 Keys Programmable Keyboard

- 1 page default value and 2 pages programmable.
- Two LED indicators to show what mode is performing.
- Optional English and German versions.
- Allowing change keycode.
- Optional built-in decoder for reading barcode and magstripe card.
- Dimensions: 245mm(L)x215mm(W)x 40mm(H)

PKB-065
65 Keys Programmable Keyboard

- All 65 keys are programmable.
- Each key can be programmed to have maximum 54 characters.
- Using Cherry MX keyswitch, tactile feeling.
- Dimensions: 257mm(L)x174mm(W)x 40mm(H)

PKB-080
80 Keys Programmable Keyboard

- 3 characters can be programmed into representing each programmable key.
- Optional built-in decoder for reading barcode and magstripe card.
- Dimensions: 245mm(L)x215mm(W)x 40mm(H)

POS Components

Cash Drawer

PCD-015
Cash Drawer with Slip Slot

- Slip deposit slot for non-cash transactions.
- Removable coin trays with optional 5/8 or 6/8 adjustable bill/coin compartment. (Available for Euro Notes Compartment)
- Robust metal top case and metal bottom case.
- Heavy duty metal drawer with keylock.
- Optional RS-232 port and micro-switch for drawer open detection.
- Dimensions: 415mmL x 410mmW x 100mmH
- Weight: 7 kgs

POS Keyboard

PKB-040
40 Keys Programmable Keyboard

- Full-Height Cherry key-switch.
- Optional MSR, single/dual/triple tracks available.
- 1 fold, 2 folds, 4 folds key caps available, and definable by user.
- Fully programmable, with 2 K EEPROM built-in, bundled with programming software.

PKB-111
111 Keys Programmable Keyboard

- Full-Height Cherry key-switch, 55 keys +56 keys separate keypads.
- Optional MSR, single/dual/triple tracks available.
- 1 fold, 2 folds, 4 folds key caps available, and definable by user.
- Fully programmable, with 2 K EEPROM built-in, bundled with programming software.

PKB-119
119 Keys Programmable Keyboard

- All 119 keys are fully programmable .
- Cherry MX key-switch, tactile feeling.
- Optional built-in MSR, single/dual/triple tracks available.
- Each key can be programed to maximum 18 characters.

12.1" TFT/LCD
POS Monitor

- Spill-proof water/grease resistant.
- Great picture quality and sharp design.
- Wide viewing angle.
- TFT panel can be positioned at any vertical angels between 0 to 90 degree.
- Optional touch panel, magnetic stripe, barcode and VFD customer display.
- Steady base and strong construction prevents wobbling while using the touch screen.

CubicPOS
Intergrated POS System

- The **CubicPOS** is a durable, smart and compact sized touch screen PC specially made for the heavy-duty, retail/POS applications.
- The 12.1 touch screen/TFT monitor can be positioned at any vertical angles between 0º to 90º.
- The **CubicPOS** provides various hardware interfaces such as USB, parallel, and etc.
- Among the interfaces, 2 sets of digital I/O ports are assigned for cash drawer and 4 RS-232 ports are supplied with selectable +5V or +12V power. The advantage enables the related POS equipments to operate without the external power adapter.
- The network-ready **CubicPOS** is equipped with a 10/100 Base T Ethernet adapter.
- Optional POS components can be intergrated to the terminal include the customer display, magnetic stripe card reader, barcode slot reader and more.