



Thermal Visual Card Reader/Writer TCP series

- TCP310II
- TCP410
- TCP300V



One Time Thermal Card (Black Text)



Leuco Card (Black Text)



760 micron Leuco Card (Black Text)

The newest series of the Card Reader/Writer
for various types of thermal rewritable cards.
The latest model which satisfies all the current needs.

Thermal Visual Card reader/writer

TCP series

- **TCP310II** - for high-speed Leuco rewritable card
- **TCP410** - for standard 760 micron Leuco rewritable card
- **TCP300V** - for stand alone usage with large LCD and "CF" data storage option

Highest Speed of Erasing & Printing



Suitable for Multi-Cards

Support various types of interface

Features

High Speed

New erasing and rewriting technology set a new benchmark in the industry. It only takes 3 seconds to erase and re-print Leuco rewritable Card on <TCP310II> and only 5 seconds on <TCP410 & TCP300V> .

Wide Connectivity

<TCP310II & TCP410> Standard dual interface: RS-232C and USB, with Ethernet option.
<TCP300V> Standard RS-232C interface with USB and Ethernet Options. (USB & Ethernet interface are used under Online mode.)

Various Compatibility

Support thermochromic card, re-writable Leuco card or one time thermal card.
Thermochromic: White Text on Silver Background.
Leuco: High contrast black or blue text on any background color.



Flexible Data Storage

Supports 1-Track or 3-Track Magnetic Stripe to read/write up-to-date information, loyalty points details or any other data.

User Friendly

With Star Raster Driver and OCX Driver makes new software development easier and faster.

High Quality

Star's precise heat control technology makes complete erasing and clear printing. Both types of cards can be erased and re-printed up to 300 times.

Easy Servicing

By 2 step actions, the reader/writer cover can be opened for easily servicing.

Compact Design

Compact in size and along with its built-in power supply, allows reader/writer to be installed easily and inconspicuously in a variety of applications and location.



Usage

Loyalty - Increase customer satisfaction while tracking their updated points balance, rewards, and promotion easily on the card.

Membership - Transform appointment cards into ideal CRM tools by providing legible and accurate appointment schedule, upcoming specials, contact information and loyalty points, etc.

Security Access - Deliver a highly secure personalized employee ID with Photo. The magnetic strips provide control compatibilities for secure areas.

Visitor Management - Brings your professional image not just to employees but to visitor as well.



Thermal Visual Card Reader / Rewriter Features

MODEL	INTERFACE			CARD			MAGNETIC STRIPE	WRITING SPEED	
TCP310II	RS-232C	USB	LAN*	Thermo-chromic	Leuco	One Time Thermal	ISO	Thermochromic Card approx. 3 sec	Leuco Card approx. 3 sec
TCP410	RS-232C	USB	LAN*		760 micron Leuco		ISO		Leuco Card approx. 5 sec
TCP300V stand alone	RS-232C	USB*#	LAN*#	Thermo-chromic	Leuco	One Time Thermal*	JIS II	Thermochromic Card approx. 3 sec	Leuco Card approx. 5 sec

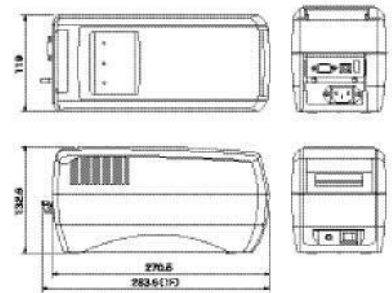
*option

when using under Online mode

TCP310II Specification

Card	Material	PET or Paper (Thin Card Type)
	Size	85.6 x 54mm
	Thickness	0.18mm - 0.33mm
	Media	Thermochromics or Leuco Re-writable Card One time Thermal Card
	Magnetic Stripe	1 Track or 3 Track ; ISO
	Print	Printing Method
	Font	ANK/GB/BIG5 Fonts
	Characters	20 Columns x 13 lines (24 x 24 dots, two bytes character) 40 Columns x 13 lines (12 x 24 dots, single byte character)
Reader/Writer	Interface	RS-232C (D-sub 9-Pin) / USB / LAN (option)
	Card Feed Speed	400 mm/sec when accessing magnetic stripe 30 - 60mm/sec when erasing and printing
	System Reliability	500,000 cycles (4 passes/cycle)
	Operating Conditions	5 to 35°C, 20-80% RH (w/o condensation)
	Dimensions (w x d x h)	119 x 270.5 x 132.5 mm
	Weight	approx. 2.5 Kg

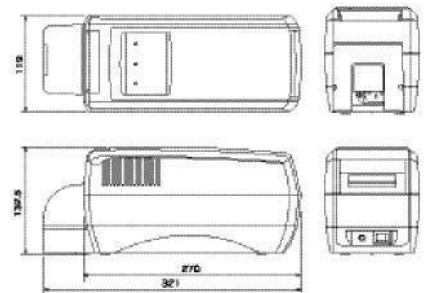
TCP310II
TCP410 External View
(unit:mm)



TCP410 Specification

Card	Material	PVC/PET-G
	Size	85.6 x 54mm
	Thickness	0.68mm - 0.84mm
	Media	Thermochromics or Leuco Re-writable Card
	Magnetic Stripe	1 Track or 3 Track ; ISO
	Print	Printing Method
	Font	ANK/GB/BIG5 Fonts
	Characters	21 Columns x 13 lines (24 x 24 dots, two bytes character) 42 Columns x 13 lines (12 x 24 dots, single byte character)
Reader/Writer	Interface	RS-232C (D-sub 9-Pin) / USB / LAN (option)
	Card Feed Speed	300 mm/sec when accessing magnetic stripe 30mm/sec when erasing and printing
	System Reliability	300,000 cycles (4 passes/cycle)
	Operating Conditions	5 to 35°C, 20-80% RH (w/o condensation)
	Dimensions (w x d x h)	119 x 270.5 x 132.5 mm
	Weight	approx. 2.5 Kg

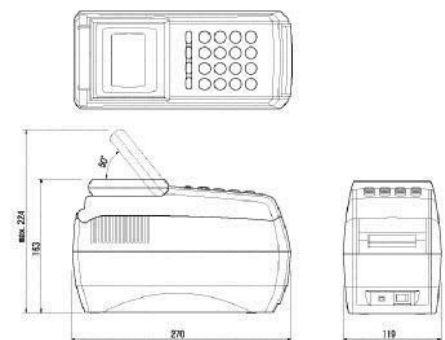
TCP310II
TCP410 External View (with back cover)
(unit:mm)



TCP300V Specification

Card	Material	PET or Paper
	Size	85.6 x 54mm
	Thickness	0.18mm - 0.33mm
	Media	Thermochromics or Leuco Re-writable Card, One time Thermal Card
	Magnetic Stripe	1 Track / JISII
	Print	Printing Method
	Font	ANK/GB/BIG5 Fonts
	Characters	20 Columns x 13 lines (24 x 24 dots, two bytes character) 40 Columns x 13 lines (12 x 24 dots, single byte character)
Reader/Writer	Interface	RS-232C (D-sub 9-Pin) / USB (option) / LAN (option)
	Card Feed Speed	400mm/sec when accessing magnetic stripe 30 - 60mm/sec when erasing and printing
	LCD Display	Large Angle-adjustable LCD
	System Reliability	500,000 cycles (4 passes/cycle)
	Operating Conditions	5 to 35°C, 20-80% RH (w/o condensation)
	Dimensions (w x d x h)	119 x 270 x 132 mm
Weight	approx. 3 Kg	

TCP300V External View
(unit:mm)



Please note specifications may be subject to change.

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The specifications are subject to change without prior notice.
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