Cortex
Control Solution

CCS-300A

Transfer/ Direct Thermal

Dual-motor gear driven design

127 mm (5") inches per second print speed

300 meter (984') ribbon supply on a 25.4 mm (1") core (coated side out)

USB 2.0

Print mechanism for kiosk application

200 MHz 32-bit RISC processor with 8 MB SDRAM, 4 MB Flash memory

TSPL-EZ ™ firmware emulates TPLE and TPLZ languages out of the box

Free bundled labeling software and Windows drivers

Storage

Supermarket

Logistics

POST

CCS-300A

Thermal Transfer/ Direct Thermal

	203 DPI	300 DPI
Print method	Thermal Transfer / Direct Thermal	
Max.Print speed	127 mm (5") / s	101.6 mm (4") / s
Max.print width	108 mm (4.25")	104 mm (4.09")
Max.print length	2286 mm (90")	1016 mm (40")

Media type	Continuous, gap, black mark, fan-fold and punched hole	
Media width	25.4-118mm (1.0"-4.6")	
Media thickness	0.06-0.254 mm (2.36-10mil)	
Media core diameter	25.4 - 76.2 mm (1 "- 5 ")	
Label length	10-2,286 mm(0.59"-90")	10 1016 mm (0.39" 40")
Label roll capacity	127 mm (5") OD (outside wound)	
Ribbon capacity	Max. 300 m	
Ribbon width	110mm	

Processor	32-bit CPU
Memory	4MB Flash Memory, 8MB SDRAM, SD card reader for Flash memory expansion, up to 4 GB
Interfoce	Standard: USB+TF card Optional: Serial/Lan/Bluetooth/WIFI
Sensors	Gap sensor 2 Cover opening sensor Block mark sensor % Ribbon sensor

	Alpha-numeric bitcomp fonts, Windows fonts are downloodable from software.
1D barcode	Code 59, Code 93, Code 128UC C, Code 128 subsets A, B, C, Cod abor, Inter leaved 2 of 5, EAN-8, EAN -13,EAN -128, UPC-A, UPC-E, EAN and UPC 2(5) digits add -on, MSI, PLESSEY, POSTNET, China POST, GS1 DataBar, Code 11
2D barcode	PDF-417, Maxicode, DataMatrix, QR code, Aztec
Rotation	0°. 90°. 180° 270°
Emulaion	TSPL. EPL. ZPL. DPL

	502.5 mm (D) x 234 mm (W) x 194.8 mm (H)
Weight	2.6 kg

Print Head	30 km

Driver	Windows / Linux / Mac
SDK	Windows / Linux / iOS

	AC 100-240V 1.8A, 50-60Hz
Output	DC 24V2.5A 60W

Dealer Options	Ô Built-in Ethernet server (10/100 Mbps);
	Ô RS-232C (2400-115200 bps) communication interface;
	Ô Centronics communication interface
	Ô External poper roll holder
	Ô Bluetooth module (RS-232C transmission interface);
	Ô WIFI module; % Extension board for external paper roll holder; Ö Cutter

Operation	5 - 40°C(41-104°F) , Humidity: 25 - 85% non-condensing
Storage environment	-40 - 60°C(-40-140°F) , Humidity:10 - 90% non-condensing

Windows   Windows 8   Windows 10   CCC FC CE CB

Cortex
Control Solution

CCS80L

Thermal Label Printer

- IAP update online
- Beeper and light alarm
- Support QR code, PDF417
- With queuing and reprint function
- IP modification across network segments
- With function of avoiding missing orders
- Support order reminder and error alarm function

Storage

Supermarket

Medical

Logistics

CCS-80L
Thermal Label Printer

QR CODE

PAPER WIDTH

Printing	CCS-80L
Printing method	Direct Thermal
Resolution	203 DPI
Print width	20~80mm
Printing speed	127mm/s
Media	
Media type	Continuous, Gap, Black mark
Media width	20~84 mm
Media thickness	0.06 ~ 0.19 mm
Inner diameter of media	25mm~38mm
Performance Features	
Memory	RAM:4M; FLASH:4M
Interfaces	USB / LAN
Sensors	Gap sensor ; Cover sensor ; Black mark sensor
Fonts/Graphics/Symbologies	
Character set	FONT 1 to FONT 8; K; TST24.BF2 ; TSS24.BF2
1D barcode	CODE128、EAN128、ITF、CODE39、CODE39C、CODE39S、CODE93、EAN13、EAN13+2、EAN13+5、EAN8、EAN8+2、EAN8+5、CODABAR、POSTNET、UPC-A、UPCA+2、UPCA+5、UPCE、UPCE+2、UPCE+5、MSI、MSIC、PLESSEY、ITF14、EAN14
2D bar code	PDF417 / QRCODE / DataMatrix
Rotation	0°; 90°; 180°; 270°
Graphics	Monochrome PCX, BMP and other image files can be downloaded to FLASH
Emulation	ESC/POS
Physical Features	
Dimension	187*162*146mm(D*W*H)
Weight	1.1 KG
Power supply	
Input	AC 100~240V, 2A, 50~60Hz
Output	DC 24V, 2.5A
Environmental Conditions	
Operation	5~45℃, 20~80%RH,no condensing
Storage environment	-40~55℃, ≤93%RH(40℃)

Windows 7   Windows 8   Windows 10

CCC   FC   CE   CB   ISO 9001

Cortex
Control Solution

CCS-300B

Direct Thermal Barcode Printer

- Double motor design, more powerful
- Multiple sensors: black mark; positioning distance;gap sensor
- Support various of media type: Continuous; gap; black mark; fan-fold and punched hole
- With transparent cover, paper status is at a glance
- Support external paper holder and label box
- Widely used in Supermarket; HealthCare; Storage; Post; Catering

Storage

Supermarket

Medical

POST

CCS-300B

Direct Thermal Barcode Printer

BARCODE

VARIOUS INTERFACE

EASY LOAD

Model	CCS-300B
Resolution	8 dots/mm(203DPI)
Printing method	Direct thermal
Printing speed	152 mm (6")/S
Max.print width	108 mm (4.25")
Media type	Continuous, gap, black mark, fan-fold and punched hole
Media width	20-118mm (0.78"-4.4")
Media thickness	0.06~0.25mm
Label length	10~1,778mm(0.4"~90")
Label roll capacity	127 mm (5") OD (outside wound)
Enclosure	Double-walled plastic
Physical dimension	211(D)×240)W)×166)H)mm
Weight	2.15 kg
Processor	32-bit RISC CPU
Memory	4MB Flash Memory, 8MB SDRAM, SD card reader for Flash memory expansion, up to 4 GB
Interface	USB
Internal fonts	8 alpha-numeric bitmap fonts, Windows fonts are down-loadable from software
Barcode Character	
Barcode	1D bar code:Code 39, Code 93, Code 128UCC, Code 128 subsets A, B, C, Codabar, Interleaved 2 of 5, EAN-8,EAN-13,EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST 2D bar code: PDF-417, Maxicode, Data Matrix, QR code
Font and barcode rotation	0° / 90° / 180° / 270°
Commands	TSPL / EPL / ZPL / DPL
Environment condition	Operation: 5 ~ 40°C, 25 ~ 85% non-condensing, Storage: -40 ~ 60°C, 10 ~ 90% (non-condensing)

ACCESSORY

Windows 7   Windows 8   Windows 10   CCC   FC   CE   CB   ISO 9001

Cortex
Control Solution

CCS-300D

Direct Thermal Barcode Printer

- Space-saving design, 32 bit processo

- Ultra fast print speed : 152 mm/s

- Bi-colored status LEDS for quick printer status

- Rich emulation language compatibility: TSPL, ZPL, EPL, DPL.

Supermarket

Shopping malls

Medical

Bank

CCS-300D
Direct Thermal Printer

HIGH SPEED

BARCODE | VARIOUS INTERFACE | EASY LOAD | COMPACKT DESIGN

Printing Features	
Resolution	203 DPI
Print method	Direct Thermal
Print speed	152mm(6'')/s
Max.print width	108 mm (4.25")
Max.print length	1778 mm (70")
Media	
Media type	Continuous, gap, black mark, fan-fold and punched hole
Media width	25.4~115mm
Media thickness	0.06 mm ~0.254 mm
Label length	10~1778 mm (0.39"~70")
Performance Features	
Processor	32-bit CPU
Memory	8MB Flash Memory/ 8MB SDRAM/ Flash memory can be expanded Max.4Gb
Interface	Stardard version: USB Optional:WIFI/Bluetooth/TF card
Fonts/Graphics/Symbologies	
Internal fonts	8 alpha-numeric bitmap fonts, Windows fonts are downloadable from software.
1D barcode	Code 39, Code 93, Code 128UCC, Code 128 subsets A, B, C, Codabar, Interleaved 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST, GS1 DataBar, Code 11
2D barcode	PDF-417,Maxicode,DataMatrix, QR code
Rotation	0°、90°、180°、270°
Emulaion	TSPL、EPL、ZPL、DPL
Physical Features	
Dimension	127.8 mm (W) x 117.8 mm (H) x 182.9 mm (D)
Weight	1.1 kg
Reliability	
Warranty	One year for the printer
Print head	30 km
Software	
Driver	Windows / Linux / Mac
SDK	Windows / iOS / Android
Power supply	
Input	AC 100-240V
Output	DC 24V / 2.5A
Options	
Factory Options	① Bluetooth module ② WiFi module ③ Real Time Clock ④ TF card
Dealer Options	① External paper roll holder and 1 "paper roll ② Extension board for external paper roll holder ③ Shipment waybill box
Environmental Conditions	
Operation	5 ~ 40°C(41~104°F) , Humidity: 25 ~ 85% non-condensing
Storage environment	-40 ~ 60°C(-40~140°F) , Humidity:10 ~ 90% non-condensing

Cortex
Control Solution

CCS-300K
Thermal Receipt Printer

- Adopt brand-new calibration technology to avoid cutter jam
- Printer head life:150KM & Cutter life:1.5 million cuts
- Support IAP update online
- Wall mounted
- With printer head overheating protection function
- With sound and light alarm function
- Widely used in Supermarket, Catering, Storage, Hospital, Bank, Post

Supermarket   Medical Care

POST   Bank

CCS-300K
Thermal Receipt Printer

QR CODE	AUTO CUTTER	PAPER WIDTH

Printing	CCS-300K
Printing method	Direct thermal
Printer width	80mm
Column capacity	576 dots/line
Printing speed	300mm/s
Interface	USB+Serial+Lan
Printing paper	79.5±0.5mm x φ80mm
Line spacing	3.75mm(Adjustable by commands)
Print command	ESC/POS
Column number	80mm paper: Font A - 42 columns or 48 columns/ Font B - 56 columns or 64 columns/ Chinese, traditional Chinese - 21 columns or 24 columns
Character size	ANK, Font A: 12×24 dots Font B: 9×17 dots Simplified/Traditional Chinese: 24x24 dots

Cutter	
Auto cutter	Partial

Barcode Character	
Extension character sheet	PC347(Standard Europe)/Katakana/PC850(Multilingual)/PC860(Portuguese)/ PC863(Canadian-French)/PC865(Nordic)/West Europe/Greek/Hebrew/East Europe/ Iran/WPC1252/PC866(Cyrillic#2)/PC852(Latin2)/PC858/IranII/Latvian/Arabic/PT151(1251)
1D code	UPC-A/UPC-E/JAN13(EAN13)/JAN8(EAN8)/CODE39/ITF/CODABAR/CODE93/CODE128
2D code	QR Code / PDF417

Buffer	
Input buffer	2048Kbytes
NV Flash	256Kbytes

Power	
Power adaptor	AC: 100-240V, 50~60Hz
Power source	Output: DC 24V/2.5A
Cash drawer output	DC 24V/1A

Physical characteristics	
Weight	1.13 KG
Dimensions	188(D)×140(W)×137.7(H)mm

Environmental Requirements	
Work environment	Temperature (0~45℃) humidity(10~80%)(non-condensing)
Storage environment	Temperature(-10~60℃) humidity(10~90%)

Reliability	
Cutter life	1.5 million cuts
Printer head life	150KM
Driver	Win 9X / Win 2000 /Win 2003 /Win XP /Win 7 /Win 8 /Win 10/Linux

CCS-Q3A

Thermal Receipt & Label Printer

Printing Features	CCS-Q3A
Printing method	Direct Thermal
Resolution	203 DPI
Max.print speed	Max. 70mm (2.7") /s
Max.print width	72 mm (2.8")
Max.print length	1778 mm (70")
Media	
Media type	Continuous, gap, black mark
Media width	20 mm~76 mm
Label roll diameter	50 mm
Performance Features	
Processor	32-bit CPU
Memory	8MB Flash Memory / 8MB SDRAM/MicroSD
Interface	USB+Bluetooth ; USB+WIFI
Screen	OLED (1.3") Resolution:128*64 pix
Fonts/Graphics/Symbologies	
Internal fonts	8 alpha-numeric bitmap fonts, Windows fonts are downloadable from software
1D bar code	Code 39,Code 93, Code 128UCC, Code 128 subsets A, B, C, Codabar, Interleaved 2 of 5, EAN-8,EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST
2D bar code	PDF-417, Maxicode, DataMatrix, QR code,Aztec
Emulation	TSPL;EPL;ZPL;DPL;CPCL;ESC/POS
Physical Features	
Dimension	124*108*61mm(D*W*H)
Weight	0.357 KG
Reliability	
Printer head life	30 KM
Software	
Operation system	Windows/Android/IOS
SDK	Windows/Android/IOS
Power supply	
Output	DC 9V/2A
Battery life	7.4V/2500mAh

Windows 7   Windows 8   Windows 10   CCC   FC   CE   CB   ISO 9001

Cortex
Control Solution

CCS-Q3A
Thermal Receipt & Label Printer

- Dual mode bluetooth

- OLED screen available

- Long lasting battery life

- Support direct USB charging

- Compatible with TSPL,EPL,ZPL,DPL,CPCL,ESC/POS

Store

Hospital

Café

Logistics

Cortex
Control Solution

CCS-T2A
Thermal Receipt Printer

- Support QR code

- Easy paper loading

- High operational reliability

- High print speed for both graphics and text

- Supports a variety of international languages
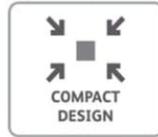
Store   Hospital

Café   Logistics

CCS-T2A
Thermal Receipt Printer

EASY LOAD

COMPACT DESIGN

57.5 ± 0.5mm **PAPER WIDTH**

Printing	CCS-T2A
Printing method	Direct thermal
Paper width	57.5±0.5mm
Print width	48 mm
Column capacity	384 dots/line(adjustable by command)
Printing speed	90mm/s
Interface	USB/USB+Serial / USB+Bluetooth/ USB+Bluetooth+Serial / USB+Bluetooth+Serial+WIFI
Line spacing	3.75mm (Adjustable by commands)
Fonts Symbologies	
Character size	Font A: 12x24;Font B: 9x17;CHN: 24*24
Characters /Line	Font A: 32 chars;Font B: 42 chars;CHN: 16 Character Sets
1D Barcode	UPC-A / UPC-E / JAN13(EAN13) / JAN8(EAN8) / CODE39 / ITF / CODABAR / CODE93 / CODE128
2D Barcode	QR code
Input buffer	32 Kbytes
NV Flash	64 Kbytes
Power	
Power adaptor	AC 110V/220V, 50~60Hz; DC 12V/2.6A
Power source	DC 12V/2.6A
Cash drawer output	DC 12V/1A
Physical characteristics	
Weight	0.498 KG
Dimensions	121.8*110*114.6mm(D*W*H)
Environmental Requirements	
Work environment	Temperature (0～45℃); humidity(10～80%)
Storage environment	Temperature(-10～60℃); humidity(10～90%)
Reliability	
Printer head life	50KM
Software	
Emulation	ESC/POS
Driver	Windows/JPOS/Linux/Android/Mac
Utility	Windows & Linux test Utility
SDK	IOS/ Android/ Windows

Windows 7   Windows 8   Windows 10   CCC   FC   CE   CB   ISO 9001