

# The Most Desk-Friendly

Countertop Payment Terminal

# CT281



- Patented PCI PTS 3.X
- Dual Processor
- 40lps Printing speed
- NFC Ready
- Smartcard & Magstripe
- PSTN, Ethernet, WiFi, GPRS, HSPA+
- Multimedia(Image & Video)



## The countertop that serves the Present and builds the Future.

The CT281 is a smart and elegant solution that serves the present, and builds the future for you and your shop. In the eyes of the modern merchants, the CT281 has it all as a perfect countertop: Stonewall Security™, full support for well-rounded payment schemes, small and light form-factor that saves space and the elegant look of your shop, and flexible connectivity options. Instead of stopping there, this already perfect countertop brings more to the table. All the different Contactless variations are supported, and PayGear™ platform allows the device itself to process any transaction in a flash while the vivid color screen adds loud and lively vibe to your store environment. The CT281 moves forward with you and your shop.



# CT281

## KEY FEATURES



Stonewall Security™



PayGear™



NFC Ready



Communication



Multimedia

### Security: Solid Like A Stonewall

In order to make life easier and transaction safer for every honest merchants and consumers, the CT281 uses Stonewall Security™ that provides the payment industry's most stringent level of protection. Stonewall Security™ complies with Patented PCI PTS 3.X, and EMV Certifications as well as the popular encryption algorithms (DES, TDES, RSA, DUKPT Key Management, and Master/Session). Just use the CT281: your precious information is securely stonewalled.

### Performance: Geared Up Payment Speed

When it comes down to transaction speed and more, the CT281 is the champion. The CT281 processes payment transactions in a flash while playing the advertisement and promotional events on its loud color screen. So many task at once, but the CT281 refuses to lag because it is engineered by PayGear™ Platform comprised of dual processor(one for application, and the other for security), speedy Memory, and the fastest printer, all brilliantly commanded by Bluebird Software Technology. PayGear™ Platform offers the best, and the CT281 runs faster than the rest.

### Payment Scheme: All In One

Nowadays, there are many ways to make a payment. Accordingly, the CT281 offers true convenience to the shoppers by supporting each and one of the payment methods both old and new: Contact Payment(EMV Level 1 & 2), Magstripe, Contactless Payment(MasterCard PayPass, Visa payWave, NFC, Calypso, MiFare, Felica, ETC). You name it because the CT281 has it. The CT281 helps you pay, and however you want to pay.

### Communication: Ready for Any Shop

Different shops share various preferences about the connectivity methods they like to deploy. Is the CT281 compatible and flexible enough to support this variety? Yes it is. Regardless of the connectivity type of your shop, the CT281 covers them all: fast dial-up modem, Ethernet, along with optional WLAN and GPRS/HSPA+. The faster, safer and more convenient payment starts with the CT281.

### Application Development: Safe and Speedy

The CT281 has deployed the Windows CE Operation System that provides rich platform and development environment. Instead of being restricted by exclusive proprietary platform, developers can quickly create and customize value-added applications for their client merchants by utilizing already familiar tools like Visual Studio. And yet, the level of security stays the same. Putting it together, the CT281 offers a secure, open, and easy platform without any discrimination.

### Reliability: Steady Cost Saving

From the ownership perspective, the CT281's durability means two things: reliability and lower TCO(Total Cost of Ownership). The durability features that keep the TCO down can be listed as rugged metal dome keypad with waterproof sealing, MSR and IC Card Slot ready for countless slides and inserts. After all, the CT281 is reliable because it lasts and serves its purpose; it is created to help you make money, but also to help you save money.

## SPECIFICATIONS

PERFORMANCE CHARACTERISTICS	
PROCESSOR	ARM9 32-bit Processor Exclusive Security Processor
OS	Windows CE 6.0
MEMORY	256MB (128MB of Flash, 128MB of DDR2 SDRAM) standard, can exceed up to 640 MB
INTERFACE	One Ethernet (10/100BaseT), one line in(telco), two RS-232 (one optional by extension cable), one USB Host port and one USB Device port
COMMUNICATION OPTIONS	
DIAL-UP MODEM	Standard 56kbps modem
ETHERNET	10/100BaseT
WWAN RADIO	Optional, GSM/GPRS/EDGE/UMTS/HSDPA/HSPA+; GSM/GPRS; CDMA 1X/EVDO Rev A
WLAN RADIO	Optional, IEEE 802.11 b/g/n
PAYMENT OPTIONS	
MAGSTRIPE	Bi-directional, Triple track (Tracks 1, 2, 3)
SMART CARD	EMV Level 1 and 2 type approved; ISO 7816, 1.8V, 3V, 5V; synchronous and asynchronous cards
CONTACTLESS	Optional, MasterCard PayPass Visa payWave NFC(Near Field Communication)

SECURITY CHARACTERISTICS	
SECURITY	Stonewall Security™ Patented PCI PTS 3.X
PHYSICAL CHARACTERISTICS	
DIMENSION & WEIGHT	L 184 x W 86 x H 63 mm (7.2 x 3.3 x 2.4 inch), 422g without paper roll nor cable
DISPLAY	320 x 240 pixel TFT LCD with LED backlighting, 2.8"
KEYPAD	3x5 numeric backlit keypad, 4 programmable-function keys
BATTERY & VOLTAGE	Optional Battery AC Input 100 ~ 240V, 50/60Hz
EXPANSION SLOT	MicroSD
SIM / SAM SLOT	Optional, 3 SAMs or 1 SIM / 2 SAMs
PRINTER	40 lines/second, 24 or 32 columns standard roll paper 58mm (2.25 in.) x 40mm
AUDIO	Buzzer, Optional Speaker
USER ENVIRONMENT CHARACTERISTICS	
DURABILITY	Spill-Proof Keypad
OPERATING TEMP	0°C to 50°C / 32°F to 122°F
STORAGE TEMP	-20°C to 60°C / -4°F to 140°F
HUMIDITY	5% to 95% relative humidity, non-condensing

\* Please ask your sales representative for the specs not listed above.

BR-S-CT360-EN-AA014

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