

JADESTAR

The Market's Most Stylish Payment Device



The Complete Combination of a Countertop Payment Device & Built-in PINpad

As not only is the use of traditional credit and debit cards rapidly increasing but also high security chip-based cards or smatcards are gaining widespread industry acceptance throughout the world, people are able to identify their own needs and their requirements tend to get more and more complex. Therefore, the payment solution and technology processing all of these transactions must be reliable and powerful to fulfill their expectations, and CyberNet's newly released *JADESTAR* is the perfect solution.

JADESTAR, the latest addition to CyberNet's innovative product lines, is the dependable and cost-effective solution to meet and satisfy your customers' varied demands for more secure and faster payment transactions.



Designed in 2 piece (handheld PINpad unit + cradle) sleek style, JADESTAR is an EFT-POS terminal featuring a powerful 32bit processor, high-speed 33.6Kbps modem and fast thermal printer to accelerate the whole process of transactions from a card swipe to printing of receipt.

With total security in mind, CyberNet built high security internal PINpad functionalities conforming to Visa PED requirments on *JADESTAR*. *JADESTAR* is the most competitive multifunction countertop terminal coupled with superior security PIN entry features, reducing the cost and space required for a separate PIN acceptance solution.

Moreover, *JADESTAR*'s handheld PINpad unit offers the cost-effective and the easiest way to upgrade an entry level payment terminal to a fully EMV-certified device. It can also be used with ECR (Electronic Cash Register) or PC to accept smartcards or process PIN based transactions.









JADESTAR is not only capable of handling the full spectrum of the latest payment capabilities but also taking advantage of CyberNet's forefront JavaTM-style operating system, *CybeSoft*, for multi-applications to run securely on a single terminal. With *CyberSoft* and ultimate hardware flexibility, *JADESTAR* offers the following benefits and features to you and your customers:

- Off the shelf application modules
- Available programming resources
- Interpreted language

Fast to program

Fast to debug

Fast to download

. Ease of use and installation

Plug & play

Large 128 x 64 pixel graphic display with backlit Compact design saves precious counter space

Minimal training and helpdesk calls

· Ease of application migration

'C' based development environment, *CyberAPI*, is also available on *JADESTAR* for easy application development.

Together with all these rich-features, the new powerful JADESTAR offers a low cost of ownership to processors, ISOs, merchants and service providers. Why wait? Visit our website and call us now.

Technical Specifications



Handheld PINpad Unit

Processor

RISC 32bit (20 MIPS)

Memory

SRAM: 512KB (Option: Up to 2MB)

· Flash: 1.5MB

Display

128 x 64 pixel graphic display

Up to 8 lines x 21 characters

Backlit

Keypad

21 keys

12 numeric keys

4 function keys

2 scroll keys

CANCEL, CLEAR & ENTER keys

Magnetic-stripe card reader

Tracks: 1&2 or 2&3

Bi-directional

Smartcard reader

ISO7816 compliant

EMV level I (2000) certified

Security Access Module (SAM)

2 (Option: Up to 4)

Security

DES, 3DES encryption

DUKPT, Master/Session key management

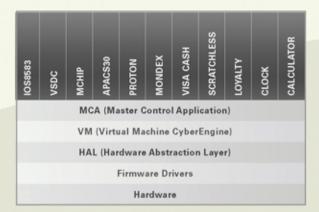
Visa PED certified

Physical dimensions

80.8mm (W) x 173.1mm (L) x 44.6mm (H)

Weight

253g



Cradle

Modem

Async: 33.6Kbps (Option: 2400, 56Kbps)

Sync: 1200, 2400bps

Peripheral ports

RS232 x 2

Telco x 1

Printer

• 2" thermal

12.5 lines/sec

· Clamshell paper loading

Power

* Input: AC 100V ~ 240V, 50/60Hz

Output: DC 8.0V/3.0A

Physical dimensions

• 86.1mm (W) x 245.7mm (L) x 101.4mm (H)

Weight

629.5a

Environmental

Operating temperature: 0°C ~ 40°C

Storage temperature: -40 ℃ ~ 65 ℃

Software Environment

CyberSoft

CvberAPI

EMV level II (2000) certified



Software Development Tools

CyberWrite

Since CyberWrite is a complete GUI, all the features of a windowing environment such as "Point & Click" and "Drag & Drop" visual programming methodology is supported, allowing users to create applications in an IDE that is delivered in Java™.*

CyberTerm

Applications written with CyberWrite can be tested and debugged on the host development system using CyberTerm, a PC based simulator to test and debug the applications before loading to any terminal or target devices.*

^{*}Available on PC (Windows), Apple, Unix, Linux

International Offices:

CyberNet EMEA

Office 52, 6/1 Stromynsky Bystreet, Moscow, Russia, 107076 T/F +7 495 269 1500

CyberNet Japan

J72, 2-6-5 Nihonbashi, Chou-ku, Tokyo, Japan T +81 3 6202 0782 F +81 50 3588 6709

CyberNet Latino America

Office SBC-Korea San Paulo 1827, Alameda Santos, 8th Floor-Suite 82, Sao Paulo, Brazil T/F +55 11 3284 3720

CyberNet MEA

#608, Atrium Center, Bank Street, Bur-Dubai, Dubai, UAE T +971 4 3556720 F +971 4 3555135

CyberNet USA

Suite 101, 1286 Kifer Road, Sunnyvale, CA 94086, USA T +1 408 720 1514

Corporate Headquarters:

Sales & Marketing

#205, Suntech City, 513-15 Sangdaewondong, Chungwonku, Sungnamsi, Kyunggido, Korea T +82 31 777 1830 F +82 31 777 1833

Administration

6th Floor, Haepyung Bldg, 120-8 Samsungdong, Kangnamku, Seoul, Korea T +82 2 501 0006 F +82 2 501 3145

R&D

6th Floor, Haepyung Bldg, 120-8 Samsungdong, Kangnamku, Seoul, Korea T +82 2 501 0006 F +82 2 501 3479

Manufacturing

#201, Suntech City, 513-15 Sangdaewondong, Chungwonku, Sungnamsi, Kyunggido, Korea T +82 31 777 1800 F +82 31 777 1812

www.cybernetww.com

