



A Partner You Can Trust

ALL IN ONE PAYMENT TERMINAL FD130Duo

INSTALLATION GUIDE



1. BEFORE STARTING

Open the gate behind the device (Figure 1), and find the power input on the right side of the terminal. Connect the plug from the power adapter into the power input (Figure 2). Plug the power adapter into a 120-volt electrical outlet or into a surge suppressor (recommended) after the power cord is connected to the power adapter.



Figure 1



Figure 2

- Operating Temperature: 0 °C to 40 °C
- Modem Speed: V.22bis 2400bps/ V.32bis 14400bps
- RTC battery spec. : 3V, CR2032

Caution: Risk of explosion if the battery is replaced by an incorrect type. Please dispose of used battery according to the instructions.

Warning: A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.

Connect one end of the phone cord into one of the jacks on the back of the terminal (Figure 3). Plug the other end of the cord into a modular wall jack (Figure 4). Use only a jack for an analog line like a fax line or a standard telephone.



Figure 3



Figure 4

(Optional) This terminal supports three USB ports. Two USB host ports locate on the back of the terminal (Figure 5). One USB device port locates on the left side of the terminal (Figure 6). If the terminal uses a peripheral device with USB connector, plug it into the USB host port.

(Optional) This terminal supports one RS-232 ports of RJ-12 offset keyed connector. If the terminal uses a peripheral device with this type of connector and interface, plug it into the RS-232 port on the back of the terminal (Figure 7).

(Optional) If the terminal needs communication over Ethernet, plug cable into the RJ-45 port on the back of the terminal (Figure 8).



Figure 5



Figure 6



Figure 7



Figure 8

2. POWER ON THE TERMINAL

Plug the power cord into the power jack and plug the power adapter into a 120-volt electrical outlet or into a surge suppressor (recommended) after the power cord is connected to the power adapter. Press the "Cancel" button at the front of device (Figure 9) until the system is booted up.



Figure 9

3. LOADING THE PAPER

Gently pop the printer cover's latch to open the cover (Figure 10); then lift the cover. Load a roll of thermal paper (Appleton 1012 recommended) into the printer (Figure 11). Load it so that the print-side of the paper will feed out facing the operator. Close the cover by pressing down evenly on both side tabs, or by pressing on the center of the printer cover. Use the serrated bar to tear off any excess paper.



Figure 10



Figure 11

4. USING THE MAGNETIC CARD READER

Magnetic Card Reader

Find the card reader slot at the right side of terminal. Slide the card in either direction through the slot without stopping. If the card swipe fails, check the position of the magnetic stripe and slide the card again (Figure 12).



Figure 12

5. USING THE KEY PAD

To enter numbers or letters, simply press the appropriate key. For example, to type the letter B: Press and release [B] twice times, then display shows B (Figure 13).



Figure 13

6. INSTALLING THE SAM CARD

There are four SAM slots located on the left side of the device (Figure 14). Before insert the SAM card, please turn off the device. Insert the SAM card in the slot in figure 15. Make sure SAM cards inserted in the right direction (Figure 16).



Figure 14



Figure 15

7. INSTALLING THE PRIVACY SHIELD

The privacy shield of the FD130 is shown as figure 16. To install, place the privacy shield over the terminal and hook the top hooks to the device basins beside keypad number 1 and 3. Whilst hooked on, apply pressure to the bottom part of the shield so that it clicks into the bottom hooks shown on figure 17. Figure 18 shows the completion of the privacy shield installation.

The device, FD130, is compliant with PCI privacy screen design requirement when the detachable privacy shield is installed on the device. Any change to or removal of this privacy shield will cause security concerns.



Figure 16



Figure 17



Figure 18

Warning: If the device, FD130, is used without the detachable privacy shield, the following criteria needs to be met by the Installed Environment of the PED for complying with the PCI privacy screen design requirement:

- A. Positioning of the PED on the check-stand in such way as to make visual observation of the PIN-entry process infeasible.
 - Visual shields designed into the check-stand.
 - Position the PED so that it is angled in such a way to make PIN spying difficult.
- B. Pop-up (temporary) privacy shield attached to the PED mounting stand. Consumer (through education & prompting) or merchant would put the shield in place during PIN entry.
- C. Installing PED on an adjustable stand that allows consumers to swivel the terminal sideways and/or tilt it forwards/backwards to a position that makes visual observation of the PIN-entry process difficult.
- D. Positioning of in-store security cameras such that the PIN-entry keypad is not visible.
- E. Instructing the cardholder regarding safe PIN-entry, done with a combination of:
 - Signage on the PED.
 - Prompts on the display, possibly with a “click-through” screen.
 - Potentially literature at the point of sale.
 - A logo for safe PIN-entry process.

Table A1: Matrix of Observation Corridors and PIN Protection Method

Method	Observation Corridors				
	Cashier	Customers in Queue	Customers Elsewhere	On-Site Cameras	Remote Cameras
PED Stand A	M	H	L	L	L
PED Stand B	H	H	H	L	M
Check-Stand A	L	M	M	L	H
Check-Stand B	H	H	M	H	H
Customer Instruction	H*	H*	H*	H*	H*

- Customer Instruction methods are less repeatable and therefore should be used in combination with other methods. L = low, M = medium, H = high.

Caution: To reduce the risk of fire, use only No. 26 AWG or larger UL Listed or CSA Certified Telecommunication Line Cord.

Caution: Use only shielded signal cables to connect I/O devices to this equipment. You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Warning: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Industry Canada Statement

This device complies with ISED’s licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Le présent appareil est conforme aux CNR d’ ISED applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

This device complies with RSS-247 of the Industry Canada Rules. Operation is subject to the following two conditions:

- (1) this device may not cause interference and
 - (2) this device must accept any interference, including interference that may cause undesired operation of the device
- Ce dispositif est conforme à la norme CNR-247 d’Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes:
- (1) le dispositif ne doit pas produire de brouillage préjudiciable, et
 - (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d’exposition aux radiations:

Cet équipement est conforme aux limites d’exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

Federal Communication Commission Interference Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC REQUIREMENTS

This equipment complies with Part 68 of FCC Rules. On the base unit of this equipment is a label that contains, among other information, the FCC Registration Number and Ringer Equivalence Number (REN) for this equipment. IF REQUESTED, THIS INFORMATION MUST BE GIVEN TO THE TELEPHONE COMPANY.

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US: N7KMM01BFD130DUO. If requested, this number must be provided to the telephone company. The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format N7KMM01BFD130DUO. The digits represented by 01B are the REN without a decimal point (e.g., 03 is a REN of 0.3). For earlier products, the REN is separately shown on the label. If your equipment causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service. If you experience trouble with this telephone equipment, please contact the following address and phone number for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs.

COMPANY: Zakus, INC.

ADDRESS: 146 Main Street, suite 208 Los Altos, CA 94022 U.S.A.

TEL NO: 650-917-9158

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.



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