PIXIE Mobile POS Terminal

PIXIE is an all-in-one mobile payment terminal. It supports mag-stripe card, EMV/ISO 7816 card and contactless card. PIXIE's target application is hospitality and retail market. Since PIXIE is a mobile device, it is operating by an internal Lithium battery. Users need a charging docking station to charge the battery. Pixie provides two wireless models, WiFi and 3G/4G. Customers can choose whichever appropriate. The model number of WiFi model is PIXIE-WH1WD1, while the model number of 3G/4G model is PIXIE-GH1WD1.

FEATURE HIGHLIGHT
- All-in-one Payment Interface (ICC/MSR/Contactless)
- LCD display (4.3" 480x800 graphic mode) with capacity touch
- Embedded Linux with QT GUI sub-system
- PCI PTS & SRED 5.0 certified
- EMV Contact L1/L2 certified
- EMV Contactless L1 certified
- Support card brands like: Paypass, Paywave, express pay, D-PAS, JCB, and CUP

Specifications

PIXIE			
Firmware			Embedded Linux
Processor			Cortex A5 Secure SOC @ 500Mhz
Memory	Flash, RAM		8GB eMMC, 256MB RAM
Display			4.3" capacitive touch screen, 480x800 pixels
SAM	SAMs		2 SAMs (5V/3.3V/1.8V)
SIM			1 SIM
Physical Keys			1 ON/OFF key, 1 Scanner trigger key, 0 – 9 Numeric keys, Enter/Cancel/Clear keys
Indicators			1 Power indicator for charging, 4 x virtual indicators for EMV
Audio			Speaker
Power & Battery			DC 9V/5A, Li-Ion 3450mAh
Printer	Hi-Speed Thermal Printer		58x25 mm paper roll
Communication			RFID,3G/4G LTE, Wi-Fi, BT 4.0, Ethernet(From docking station)
Card Readers			Magnetic Card, Smart Card, Contactless Card
Connectivity	I/O	Main Body	1 Micro-USB OTG for maintain and service, or update software/firmware
		Docking Station	RS-232, LAN, Modem, USB x 2, DC Jack
Data Capture			2D Barcode scanner (Optional)
Accessories			Charging docking station, Stylus Pen, Paper rolls, Adaptor, Power cord
Security Encryption			TDES, AES, RSA, Master/Session key and DUKPT key management
Environmental	Temperature	Operating	0°C – +45 °C
		Storage	-20°C – +60 °C
	Humidity		5% – 95% (none-condensing)
Certification	PCI		PCI PTS & SRED 5.0
	EMV Contact L1 & L2		VISA, MasterCard, AE, DPAS, CUP QuickPass, JCB
.	EMV Contactless L1	.	Visa PayWave, MasterCard PayPass (TQM), AE, DPAS, CUP, JCB
Software Request	Tools and Programs		-All configuration data can be remotely downloadable with cryptographic authentication -Support remote download key functionality
	Applications and Utilities		-Demo application program -Lib/SDK for customer AP development
	Power management		Idle mode, Wakeup from idle mode, Power OFF

Note: FCC ID : TFJPIXIE-G , Function : 3/4G LTE,RFID
FCC ID : TFJPIXIE-G , Function : WIFI/BT/RFID

AGENCY APPROVAL

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/ TV technician for help.

CAUTION:
Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

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.

RF Exposure Information (SAR)
This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.
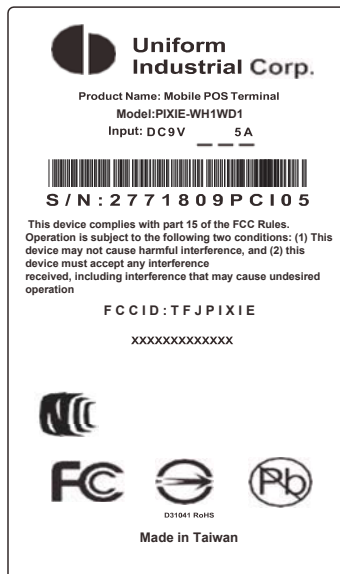
PIXIE back cover: A view from the back

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Power Button

PIXIE Label:

The label shows which model (WiFi or 3G/4G) it is.

WiFi/BT   3G/4G

Uniform Industrial Corp.

Product Name: Mobile POS Terminal
Model:PIXIE-WH1WD1
Input: D C 9 V   5 A

S / N : 2 7 7 1 8 0 9 P C I 0 5

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

F C C I D : T F J P I X I E

XXXXXXXXXXXXX

D31041 RoHS

Made in Taiwan

Uniform Industrial Corp.

Product Name: Mobile POS Terminal
Model:PIXIE-GH1WD1
Input: D C 9 V   5 A

S / N : 2 7 7 1 8 0 9 P C I 0 5

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

F C C I D : T F J P I X I E - G

XXXXXXXXXXXXX

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