IPT300 Industrial Portable Terminal

The IPT300 is a multi-application industrial handheld terminal designed and built to be used in various applications in fast-moving, mobile business environments. The device is highly versatile and is designed with the combination of multiple capabilities in mind to meet the high market demand for industrial grade handheld, while providing our customers with the maximum return on investment.

Functional Features

Fingerprint Scanner

1D/2D Barcode Scanner

2" Thermal Printer

2 Megapixel Camera

Contactless Card Reader

Magnetic Stripe Reader

Contact Card Reader

3.5" Touch Screen LCD

SD Card Slot

Multiple SAM Slot

Key Features & Benefits

All-in-one Mobility

Biometrics, Printer, Barcode, Magnetic Stripe, RFID, GPS (Optional)

IPT300 is a palm sized handheld with compact functionalities, from Thermal Printer, Fingerprint Scanner, Barcode Scanner, Magnetic Stripe Reader, Camera as well as GPS (optional), to built-in Contact and Contactless Smart Card Reader.

With the all-in-one functions, various applications can be carried out through IPT300 at any location for cost efficiency and effectiveness.

Biometrics Enabled

Mobile Authentication of ID cards, Travel Documents

The IPT300 is special built with high performance fingerprint scanner to enable authentication of biometrics information on ID cards and travel documents on the spot, ensuring efficient fingerprint capturing and verification at any location.

The built-in Solid-state Capacitive sensor is durable and offers exceptional image clarity that supports Precise, Biolink, Sagem templates and ISO19794-2, ANSI378, WSQ standards

Connectivity

Multiple Connectivities

IPT300 equipped with multiple connectivities including WiFi, Bluetooth, GSM/GPRS/EDGE, IrDA, GPS, USB Client & Serial Comm Port.

Industry Framework

Pradotec provides highly scalable, integrated products that are built on multiple smart card and biometric technology standards to support our partners from various Industries.

| Security | Logistic/ Warehousing | Hospitality | Transportation | Government | Financial Services | Healthcare |

IPT300

Specifications

Microprocessor

Processor :   Intel® Xscale PXA270 520MHz
Memory :   Flash 128Mbytes, SDRAM 128Mbytes
Memory card slot :   SD memory card (max 2GB) / SDIO Slot

Software Spec

Device Operating System :   Window Mobile 5.0
Supported OS (Connect to PC):Windows 2000, XP, Vista, Windows 7
Supported software: .net compact framework programming,
                             C++ programming

Printer

Printer :   2" Thermal Printer

Communication Interface

Bluetooth: Ver1.2, Class 2 standard
Wireless LAN: 802.11 b/g standard
Network: Quadband GSM/GPRS/Edge
Infra Red: IrDA 1.2
GPS (Optional):   Integrated GPS
USB Client (via cradle):   1 x USB Client 1.1 (ActiveSync)
Serial COM (via cradle):   1 x standard UART

Card Readers

Magnetic stripe reader: ISO7811/2, Tracks 1,2,3 Bi-directions
Contact card reader: ISO/IEC 7816, Part 1/2/3 T=0 and T=1
                             1 x smart card slot, 3 x SAM slots, 1 x SIM slot,
                             Baud rate: 115.2kbps (max)
                             Card type: Class A and A/B
Contactless reader (Optional) :ISO/IEC 14443A/B and Mifare

Human Interface

Display: 3.5" QVGA Transflective TFT Color Touch
                             Screen LCD with backlight, 262k, 240 x 320
Keypad :   21 buttons keypad with 10 alphanumeric
                             and functional keys

Power Spec

Standard battery :   7.4V 1800mAh Li-ion Rechargeable battery

Mechanical Spec

Dimension (LxWxH) mm :   218 x 87 x 68 for standard model
Weight :   510g (Standard model)

Environment

Operating temperature :   -10 to 50 degree celcius
Humidity :   5% to 90% RH noncondensing

Certification

Certification :   CCC

Fingerprint Scanner (Optional)

Sensor :   Solid state capacitive sensor or optical
              sensor (Sagem CBM)
Supported templates :   Precise, Biolink, Sagem
Supported standard :   ISO19794-2, ANSI378, WSQ

Barcode Scanner (Optional)

Barcode engine : 1D laser scan
                     1D/2D imager scan (PDF417,
                     CODE-39, QR-CODE)

Camera (Optional)

Camera :   2.0M pixels CMOS image sensor

Accessories

Cradle

Standard battery

Adaptor AC cable

USB ActiveSync cable

Stylus Pen

Thermal paper

Product CD

Carry Pouch (optional)