Infinite Peripherals®

INFINEA® BLUEPAD
General Specifications

Mobilize Your Enterprise™

The Infinea BluePad is a Chip and PIN mobile payment solution compatible with Apple® iOS and Android™, and includes PIN entry, contact chip smart card, magnetic stripe and Bluetooth®. All IPC products with Bluetooth capability can be paired with the Infinea BluePad. The payment peripheral holds the latest payment security certifications - PCI PTS 3.x and EMV L1 and L2.

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Standard Features

Encryption Capable

Optional Features

Secure EMV

Bluetooth®

ELECTRICAL

Device Charging	Charging via USB connector through mini-USB cable, using a minimum of 1A USB charger (AC adapter provided by Apple is acceptable). Optional charging through charger station (sold separately).
Compatibility	Apple – iPod touch®, iPhone®, iPad® and iPad® mini Android – OS 2.1 or higher
Battery Power Supply	Li-Poly 3.7V, 270mAh
Bluetooth Communication	Supports iAP and Serial Port Profile (SPP)
Operation Modes	Active (Power On) Power Off (after 2-second idle)
MCU	128KB of SRAM 256KB of Lockable Flash Memory 256 Bytes of User OTP 128KB of ROM (HAL, EMV Level 1, Secure Bootloader)
Application Memory	32 Mb application accessible flash 16 Mb application accessible SRAM
Encryption Methods	PIN Pad and Bluetooth: DES and 3DES DUKPT/AES-256 encryption algorithms Magnetic Stripe Reader and Smart Card: AES-256/3DES DUKPT
Communications	Mini-USB connector supports RS-232, USB Client
Keypad	10 numeric and 6 functional keys
Smart Card Reader	ISO 7816 cards; EMV Level 1 Type Approved
Magnetic Stripe Reader	3-track hi-coercivity bi-directional reading capabilities

MECHANICAL

Dimensions	110mm (L) x 68.5mm (W) x 13 mm (H)
Display Dimensions	128 x 32 pixels monochrome LCD display
Weight	119 grams

ENVIRONMENT

Operating Environment	Operating temperature 0°C to +40°C 32°F to 104°F Operating humidity 35 to 85% RH Storage temperature -10°C to +50°C 14°F to 122°F Storage humidity 5 to 90% RH
Reliability	200,000 minimum card insertions 200,000 minimum magnetic card swipes Up to 1,000,000 key strokes (per key)

SOFTWARE

Software Support	SDK for iOS and Android platforms

CERTIFICATIONS

PC EMVI	PCI PTS 3.x SRED EMV Level 1 EMV Level 2; Type 21