

DATA SHEET

Fujitsu B-Pad

A World-Class Mobile Multi-Function Platform Including Point-of-Sale & EMV Card Payment

Mobilise & Empower Your Workforce

Version 1.0

Issued December 2009

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Introduction

The Fujitsu B-Pad is a lightweight Windows CE mobile computer with optional integrated EMV and PCI-approved payment and PIN-entry capability. Its rugged case houses an Intel and Microsoft CE.Net platform, along with Fujitsu's world-class secure payment technology. The B-Pad is designed for users that need multi-function capability in a single lightweight device.

Supported by the powerful Intel X-Scale® Processor and Microsoft Windows® CE 5.0, the B-Pad provides a bright touch display, integrated Wi-Fi and USB capability providing seamless connectivity to a host system. The integrated Bluetooth® function allows connection to peripheral devices such as mobile printers, and with 128Mb of ROM and RAM the B-Pad can support offline applications away from hosts.

The B-Pad is Ideal For:

- Mobile PoS & Order Taking
- Mobile Secure Payment
- Mobile Printing (i.e. Shelf Edge Labels)
- Data Collection, Scanning and Inventory Management
- Customer Service or Manager's Mobile Terminal
- Internet Protocol (IP) Telephone

B-Pad Standard Specification:

- Windows CE.Net 5.0
- X-Scale 520 MHz CPU
- ¼ VGA Touch Display
- 128Mb RAM/128Mb Flash ROM
- Bluetooth & Wi-Fi Capability
- Lightweight (350 grams)
- Durable
- Drop Spec 1.5mtrs
- IP54 Rated
- Battery Life up to 6 Hours Between Charges

B-Pad PCI Specification:

- PCI and EMV-Compliant
- STS Emvelink Level 2 Kernel
- NSIcom Java VM Client
- Integrated Secure Payment Module
 - Chip Card Reader
 - Offline & Online PIN Pad/Keyboard
 - Supports DUKPT & M/S Key PIN Encryption

Warranty:

- 1 Year Return-to-Base Warranty as Standard
- Extended Years 2 & 3 Return-to-Base Warranty (Optional)
- 5-Year Spare Parts Support

B-Pad Peripherals:

- Desktop Charging Cradle with USB Connection
- Multiple Unit Charging Options
- Main Battery Charger
- AC Mains Adapter & Region-Specific Mains Lead
- Handstrap & Neckstrap

B-Pad Accessories:

- Mobile Printers (Wi-Fi & Bluetooth)
- Protective Cases & Pouches
- PIN Pad Privacy Shield
- Scanner Handle



TECHNICAL DETAILS

FUJITSU B-PAD

Function	Description
Operating System	Microsoft® Windows® CE version 5.0
CPU	Intel® X-Scale 520Mhz PXA270
Development Environment	Compact Framework v2.0, Embedded Visual C++ v4.0
ROM	ROM: 64MB; Flash File Storage: 64MB
RAM	SDRAM: 128MB
Display	3.5" TFT Colour ¼ VGA LCD with back-light; 65,536 colours Brightness: 60cd/m2 (square meter)
Audio	Integrated microphone & speaker, plus external microphone & speaker port
Keypad	25-keys including 2-function keys, all with LED back-light Onscreen touch keyboard
Smart Card Reader (PCI Version Only)	EMV Chip card reader/writer; RSA Encryption keyboard capability, (PIN pad)
Magnetic Stripe Reader	Internal magnetic swipe card reader (ISO Tracks 1 & 2)
Barcode Scanner	Laser Diode 1D barcode scanner (Symbol SE955) JAN/EAN 13/8, UPC A/E, NW7 Code 39/128, Interleaved 2of5, GS1 Databar 2 scanner trigger switches (left & right)
Wireless LAN	IEEE802.11a/b/g support with internal diversity antenna WEP64/128, WPA-PSK (TKIP), WPA2-PSK (TKIP)
Bluetooth™	Integrated Bluetooth components, V1.2, integrated antenna
Touch Input	Touch display, resistive film type; Tethered stylus
External Interface	USB host, Ver.1.2, integrated antenna
Storage Expansion	None available
Battery	Rechargeable Li-Ion battery 3.7V, 1800mAh; Rechargeable Manganese Dioxide Lithium backup battery
Power Consumption	B-Pad Operating: 1.2A @ 3.7Vdc = 4.4W; B-Pad Charging: 2.5A @ 16V = 9.8W
Dimensions	84mm (W) x 187mm(D) x 23mm(H)
Weight	Approx. 350grams (PCI-version including main battery)
Durability	1.5m drop to concrete surface (MIL-STD-810F)
Operating Time	Up to 6 hours (dependant on the application and the operating environment)
Charging Time	Approx. 2.5 hours at 25 degree Celsius
Operating Environment	Temperature : 0 to 40 degree Celsius; Humidity : 20 to 60 % (non-condensing)
Storage Environment	Temperature : -20 to 60 degree Celsius; Humidity : Up to 95 % (non-condensing)
Dust and Water Protection	IP54-Rated (when MSR insert is used, otherwise IP52)



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Published by:
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Issue 1 Dec 09