

Desktop POS System *IBX-700/800/900 POS PC*

Optional built-in
Wireless LAN

Fanless

Mobile
Dual Core

Performance
Dual Core



IBX-700

IBX-800

IBX-900



Service Automation

Point of Sales

Gaming

Mobile

Information Kiosk

Diverse business applications with IBX POS PC

IBX POS PC is the dedicated design computer for Point-of Service/Sales business. As the compact box solution, IBX POS can be easily integrated with peripherals and external devices in any business environment for any application



Feature

- Broad range of performance levels
- Full range I/O connectors comply with various peripherals & devices.
- LED indicators with powered COM ports
- Front drawing design chase makes it easy for maintenance
- Ready-to-deploy solution once software are installed
- Industrial-grade design perfect for long hours working

IBX POS PC Overview



	IBX-700		IBX-800		IBX-900	
Dimensions	309 x 300 x 75 mm		309 x 330 x 85 mm		309 x 350 x 95 mm	
Generation	Pentium® M		Mobile Core™2 Duo		Desktop Core™ Duo	
FSB	400 MHz	533/400 MHz	667/ 533 MHz		1333/ 1066/ 800 MHz	
Architecture	Banias Socket 479	Dothan Socket 479	Yonah Socket M	Merom Socket M	 Core™2 Duo Conroe Wolfdale	 Quad Core Kentsfield Yorkfield
Memory	1GB memory equipped, support up to 2GB		1GB memory equipped, support up to 4GB		1GB memory equipped, support up to 4GB	
Platform	 910GMLE 915GM		 945GM		 945G Q35	



A

POS

IBX-700 fanless design avoids the dusts or smoke from into the POS system in the restaurant and closed working environment.



B

Kiosk

The book size IBX series IPC is easy to build inside the kiosk. The fanless IBX-700 is ideal for the closed kiosk stand with less thermal issue.



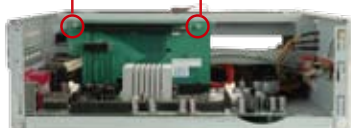
C

Surveillance

PCIe 16x and PCIe 1x expansion slot for high performance graphic card and extra device.



1xPC1ex16, 1xPC1ex1, 1 x PCI mini card



High Speed
PCIE 16X & PCIE 1X Expansion

High performance graphic
card expandable

Surveillance



Feature 1 Comprehensive Connections

IBX PC is extensible by the complete I/O and PCI/PCIe riser card which are compatible with several peripherals, such as thermal printer, barcode scanner, cash drawer, MSR card reader, etc.

IBX-700 connections:

- Optional 9-36V DC input
- 12V DC input
- USB 2.0 (+12V)
- Powered COM LED indicator
- RS-232 (+5V/+12V)
- 1 x PCI/ PCIe x1 Slot
- CF Card
- Digital I/O (RJ-12) for 12V Cash drawer port

IBX-800 connections:

- AC input
- USB 2.0 (+12V)
- Powered COM LED indicator
- RS-232 (+5V/+12V)
- 1 x PCI/ PCIe x1 Slot
- CF Card
- Digital I/O (RJ-12) for 12V Cash drawer port

IBX-900 connections:

- AC input
- Powered COM LED indicator
- USB 2.0 (+12V)
- RS-232 (+5V/+12V)
- 1 x PCIe x1 Slot
- 1 x PCIe x16 Slot
- CF Card
- Digital I/O (RJ-12) for 12V Cash drawer port

IBX-900-Q354 connections:

- RS-232 (+5V/+12V)
- RJ-45 LAN Port
- 1 x PCIe x1 slot
- 1 x PCIe x16 Slot
- Powered COM LED Indicator
- CF Card
- RS-232 (+5V/+12V)
- Digital I/O (RJ-12) for 12V cash drawer port

Model	Riser Card P/N	PCI	PCIe x 1	PCIe x 16	PCIe Mini Card
IBX-700	PCIR-700-R10	1	N/A	N/A	1 (for WiFi)
	PCIER-700-R10	N/A	1	N/A	1 (for WiFi)
IBX-800	PCIR-800-R10	1	N/A	N/A	1 (for WiFi)
	PCIER-800-R10	N/A	1	N/A	1 (for WiFi)
IBX-900	PCIER-900-R10	N/A	1	1	1 (for WiFi)

IBX Expansion Bus Slot Card

IBX-700

PCIR-700-R10:
1 x PCI, 1 x PCIe mini card



PCIER-700-R10:
1 x PCIe x 1, 1 x PCIe mini card

IBX-800

PCIR-800-R10:
1 x PCI, 1 x PCIe mini card



PCIER-800-R10:
1 x PCIe x 1, 1 x PCIe mini card

IBX-900

PCIER-900-R10:
1 x PCIe x 1, 1 PCIe x 16,
1 x PCIe mini card

PCIER-900-R10:
1 x PCIe x 1, 1 PCIe x 16,
1 x PCIe mini card

IBX-900-Q354

PCIER-900-R10:
1 x PCIe x 1, 1 PCIe x 16,
1 x PCIe mini card

PCIER-900-R10:
1 x PCIe x 1, 1 PCIe x 16,
1 x PCIe mini card

Feature 2 Easy Maintenance

Front draw-out chassis designed for easy maintenance

For the convenience to maintenance, IBX POS PC introduces front drawing chassis and easy-to-fasten thumb screws. Simply remove the screws on the rear and pull the front panel, it is easy for maintenance anytime anywhere.



Feature 3 Flexible Storage Support

2.5"/ 3.5"
SATA Hard Drive



RAID 0,1 functions

IBX POS PC supports flexible data storage, including data division (RAID 0) and data replication (RAID 1) function between two hard drive bays are equipped on IBX-700/800 (2.5" HDD) and IBX-900 (3.5" HDD).

Slim Optical Drive



DVD Combo

All IBX POS PC is equipped with space-saving slim DVD combo for software installation and data read/ write.

Rear-access CF card



CF cover protection

Since POS is widely used in rugged business environment, the CF card is alternative device for operation system storage that avoids the crash resulting from the external vibration.

Feature 4 Ready for Mobility

IBX POS PC is ideal for mobile applications and services since it allows to integrate with WiFi module and supports 9-36V DC input.

Wireless Network Access

Integrated with 802.11 b/g WiFi module on PCIe mini card, IBX POS PC is not limited to fixed location and is suitable for mobile services and sales in hospitality, hospital and retail. The applications include medical cart, retail cart, etc.

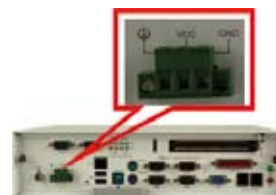


9-36V DC power supply

IBX-700 offers optional 9-36V DC input. Factories and mobile environment such as cars and engineer vehicles usually use not only 12V but also 24V DC as power source. 9-36V power input solution could adapt more application requirements.

IDD-9364120A

Wide Input Range: 9-36V DC
Output: Max. 120W



Specifications (IBX-700/800/900)



Model No.	IBX-700-9103	IBX-700-9153	IBX-800-9452	IBX-900-9454	IBX-900-Q354	
SBC	POS-9103	POS-9153	POS-9452	POS-9454	POS-Q354	
CPU Options	Intel® ULV Celeron® M 1GHz / 512KB L2 cache Processor 373	Intel® Celeron® M 1.5GHz / 1MB L2 cache Processor 370	Intel® Core™ Duo 1.66GHz / 2MB L2 cache Processor T2300E	Intel® Celeron® D 3.2GHz/ 512KB L2 cache Processor 352 Intel® Pentium® 4 3.4GHz/ 2MB L2 cache Processor 651 Intel® Pentium® Dual-Core 1.8GHz/ 1MB L2 cache Processor E2160	Intel® Core™ 2 Duo 3.0GHz/ 6MB L2 cache Processor E8400	
Chipset	Intel® 910GML+ ICH6-M	Intel® 915GM+ ICH6-M	Intel® 945GM+ ICH7-R	Intel®945G+ ICH7-R	Intel®Q35+ ICH9DO	
Memory	built-in 1GB DDR2 memory system supports 2 x 240 pin Dual channel DDR2 400/533 MHz up to 2 GB		built-in 1GB DDR2 memory system supports 2 x 240 pin Dual channel DDR2 533/667MHz up to 4 GB	built-in 1GB DDR2 memory system supports 2 x 240 pin Dual channel DDR2 533/667/800MHz up to 4 GB		
Display	Integrated in Intel® 910GML+	Integrated in Intel® 915GM	Integrated in Intel® 945GM	Integrated in Intel® 945G	Integrated in Intel® Q35	
Extension Slot	Expandable with optional riser card PCIR-700: 1 x PCI, 1 x PCIe MiniCard PCIER-700: 1 x PCIe x 1, 1 x PCIe MiniCard		Expandable with optional riser card PCIR-800: 1 x PCI, 1 x PCIe MiniCard PCIER-800: 1 x PCIe x 1, 1 x PCIe MiniCard	Expandable with optional riser card PCIER-900: 1 x PCIe x 16, 1 x PCIe x 1, 1 x PCIe MiniCard		
HDD	built-in 1 x 80GB 2.5" SATA HDD supports upto 2 x 2.5" HDD			built-in 1 x 160GB 3.5" SATA HDD supports upto 2 x 3.5" HDD		
SSD	1 x CF Type II slot					
I/O	LAN	1 x GbE with RJ-45			2 x GbE with RJ-45	
	USB	2 x USB 2.0 on front panel 2 x USB 2.0 on I/O panel			2 x USB 2.0 on front panel 4 x USB 2.0 on I/O panel	
	COM	2 x RS-232 (COM5/ COM6)			4 x RS-232	
	Powered COM	5V or 12V output from pin 9, with LED voltage indicator (COM1~COM4)				
	LPT	1 x DB-25				
	Powered USB	1 x 12V Powered USB				
	Cash Drawer Port (Digital I/O)	2 x RJ-12, 1DI/ 1DO with 12VDC output				
	Wireless	Expandable by BTO order with MOQ 802.11b/g with PIFA antenna, PCIe interface				
KB/MS	1/1 PS2					
Audio	1 x Line-out, 1 x Mic in 1 x slim DVD Combo					
ODD	CD-RW 24x, DVD-ROM 8 x					
Operation Temperature	0°C ~ 45°C					
Power Input	12V DC in with 63000-FSP0841ADC11118-RS 84W power adapter 9-36VDC in by IDD-9364120A DC-to-DC module	90V~264V AC in, with ACE-A615A 150W ATX power supply		90V~264V AC in, with ACE-A627A 270W ATX power supply		
Dimensions (WxDxH)	309 mm x 300 mm x 75 mm		309 mm x 330 mm x 85 mm	309 mm x 350 mm x 95 mm		
Net Weight	3.6 kgs		4.3 kgs	5.1 kgs		
EMC/ Safety	CE, FCC class B, UL, CCC		CE, FCC class B, UL, CCC	CE, FCC class B, UL, CCC		

● Packing List

1 x IBX POS PC	1 x Screw set
1 x Power adapter (for IBX-700 only)	1 x CF Card Slot Cover
1 x Power cord	1 x Utility CD
1 x DVD-ROM SATA cable	4 x Foot pad

Ordering Information

Model	Power	Chipset	Wireless	Expansion Slot	Part No. (With DVD)	Part No. (Without DVD)
IBX-700	90-264V AC	910GMLE	N/A	N/A	IBX-700D-9103-R10-WBOOC/CM373/1GB	IBX-700D-9103-R10-WBOOO/CM373/1GB
			802.11b/g	PCI	IBX-700D-9103-R10-WBIGC/CM373/1GB	IBX-700D-9103-R10-WBIGO/CM373/1GB
			802.11b/g	PCIe x1	IBX-700D-9103-R10-WBEGC/CM373/1GB	IBX-700D-9103-R10-WBEGO/CM373/1GB
		915GM	N/A	N/A	IBX-700D-9153-R10-WSOOC/CM370/1GB	IBX-700D-9153-R10-WSOOO/CM370/1GB
			802.11b/g	PCI	IBX-700D-9153-R10-WSIGC/CM370/1GB	IBX-700D-9153-R10-WSIGO/CM370/1GB
			802.11b/g	PCIe x1	IBX-700D-9153-R10-WSEGC/CM370/1GB	IBX-700D-9153-R10-WSEGO/CM370/1GB
	9-36V DC	910GMLE	N/A	N/A	IBX-700M-9103-R10-WBOOC/CM373/1GB	IBX-700M-9103-R10-WBOOO/CM373/1GB
			802.11b/g	PCI	IBX-700M-9103-R10-WBIGC/CM373/1GB	IBX-700M-9103-R10-WBIGO/CM373/1GB
			802.11b/g	PCIe x1	IBX-700M-9103-R10-WBEGC/CM373/1GB	IBX-700M-9103-R10-WBEGO/CM373/1GB
		915GM	N/A	N/A	IBX-700M-9153-R10-WSOOC/CM370/1GB	IBX-700M-9153-R10-WSOOO/CM370/1GB
			802.11b/g	PCI	IBX-700M-9153-R10-WSIGC/CM370/1GB	IBX-700M-9153-R10-WSIGO/CM370/1GB
			802.11b/g	PCIe x1	IBX-700M-9153-R10-WSEGC/CM370/1GB	IBX-700M-9153-R10-WSEGO/CM370/1GB
IBX-800	90-264V AC	945GM	N/A	N/A	IBX-800A-9452-R10-WSOOC/T2300E/1GB	IBX-800A-9452-R10-WSOOO/T2300E/1GB
			802.11b/g	PCI	IBX-800A-9452-R10-WSIGC/T2300E/1GB	IBX-800A-9452-R10-WSIGO/T2300E/1GB
			802.11b/g	PCIe x1	IBX-800A-9452-R10-WSEGC/T2300E/1GB	IBX-800A-9452-R10-WSEGO/T2300E/1GB
IBX-900	90-264V AC	945G	N/A	N/A	IBX-900A-9454-R10-WSOOC/CD352/1GB	IBX-900A-9454-R10-WSOOO/CD352/1GB
			802.11b/g	PCIe x1 PCIe x16	IBX-900A-9454-R10-WSEGC/CD352/1GB	IBX-900A-9454-R10-WSEGO/CD352/1GB
			N/A	N/A	IBX-900A-9454-R10-WSOOC/P651/1GB	IBX-900A-9454-R10-WSOOO/P651/1GB
			802.11b/g	PCIe x1 PCIe x16	IBX-900A-9454-R10-WSEGC/P651/1GB	IBX-900A-9454-R10-WSEGO/P651/1GB
			N/A	N/A	IBX-900A-9454-R10-WSOOC/E2160/1GB	IBX-900A-9454-R10-WSOOO/E2160/1GB
			802.11b/g	PCIe x1 PCIe x16	IBX-900A-9454-R10-WSEGC/E2160/1GB	IBX-900A-9454-R10-WSEGO/E2160/1GB
		Q35	N/A	N/A	IBX-900A-Q354-R10-WSOOC/E8400/1GB	IBX-900A-Q354-R10-WSOOO/E8400/1GB
			802.11b/g	PCIe x1 PCIe x16	IBX-900A-Q354-R10-WSEGC/E8400/1GB	IBX-900A-Q354-R10-WSEGO/E8400/1GB

Options

	Part No.	Description
IBX-700	IBXCF-P9103-XPE	Windows® XP Embedded OS image for IBX-700-9103, with 1GB CF card
	IBXCF-P9103-WEPOS	Windows® WEPOS OS image for IBX-700-9103, with 1GB CF card
	IBXCF-P9153-XPE	Windows® XP Embedded OS image for IBX-700-9153, with 1GB CF card
	IBXCF-P9153-WEPOS	Windows® WEPOS OS image for IBX-700-9153, with 1GB CF card
	PCIR-700-R10	Riser card for IBX-700 with one PCI and one PCIe mini card slot
	PCIER-700-R10	Riser card for IBX-700 with one PCIe x1 slot and one PCIe mini card slot
IBX-800	IBXCF-P9452-XPE	Windows® XP Embedded OS image for IBX-800-9452, with 1GB CF card
	IBXCF-P9452-WEPOS	Windows® WEPOS OS image for IBX-800-9452, with 1GB CF card
	PCIR-800-R10	Riser card for IBX-800 with one PCI slot and one PCIe mini card slot
	PCIER-800-R10	Riser card for IBX-800 with one PCIe x1 slot and one PCIe mini card slot
IBX-900	IBXCF-P9454-XPE	Windows® XP Embedded OS image for IBX-900-9454, with 1GB CF card
	IBXCF-P9454-WEPOS	Windows® WEPOS OS image for IBX-900-9454, with 1GB CF card
	IBXCF-Q354-XPE	Riser card for IBX-900 with one PCIe x16 slot, one PCIe x1 slot and one PCIe mini card slot
	IBXCF-Q354-WEPOS	Windows® WEPOS OS image for IBX-900-Q354, with 2GB CF card
	PCIER-900-R10	Riser card for IBX-900 with one PCIe x16 slot, one PCIe x1 slot and one PCIe mini card slot

Naming Rule

IBX-700|M|9103|R10|WBOOC|CM373|1GB|80G
A B C D E F G H

- A: Design Code**
700, 800, 900
- B: Power input**
A ~ AC in, D ~ 12VDC in, M ~ 9-36VDC in
- C: SBC code**
- D: Revision number**
- E: Configuration code**
1st letter - color
W ~ white
2nd letter - CPU mounting
S ~ socket, B ~ CPU onboard
3rd letter - riser card type
O ~ without riser, I ~ PCI riser, E ~ PCIe riser
4th letter - wireless mode
O ~ without wireless, N ~ 802.11b/g/n wireless,
G ~ 802.11b/g wireless
5th letter - ODD type
O ~ without ODD, C ~ DVD combo, D ~ DVD RW
- F: CPU code**
- G: Memory capacity**
- H: Hard drive capacity**