

EasyBCBP

TotalFreedom Plug-In

In 2007, the International Air Transport Association (IATA) defined a global standard in Resolution 792 for paper boarding passes that would replace magnetic stripe technology with 2D bar codes. Later that year, IATA announced a standard for mobile phone check-in using 2D bar codes.

Two mandates were issued by IATA regarding bar coded boarding passes (BCBP):

1. Airlines must be BCBP-ready by the end of 2008.
2. All boarding passes must be BCBP-compliant by the end of 2010.

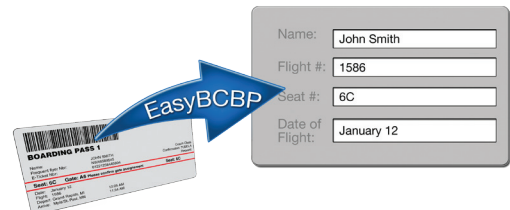
Honeywell's EasyBCBP™ software plug-in parses bar code data found on printed or mobile boarding passes for airport applications such as passenger check in, passenger boarding, security screening, club lounge entry and duty-free store entry.



Powered by Honeywell's TotalFreedom® open-system architecture, EasyBCBP eliminates the need for host system software to process the encoded information contained within 2D bar codes found on printed or mobile boarding passes.

EasyBCBP can be pre-installed on Xenon 1900 and Xenon 1902 area-imaging scanners or purchased as a standalone upgrade. After installing the plug-in, a simple programming sequence enables you to transmit any of the available data fields in any order you choose. Separate fields by selecting any of the ASCII delimiters.

Airlines using EasyBCBP-enabled Xenon imagers can also use the device to verify that bar codes are being printed according to the standards outlined by IATA in Resolution 792, ensuring compliance with this important industry standard.

When you enhance a Xenon imager with EasyBCBP, you've just taken an important step toward providing improved security and increased efficiency.



Compatible with the following products:	
	Xenon™ 1900
	Xenon 1902

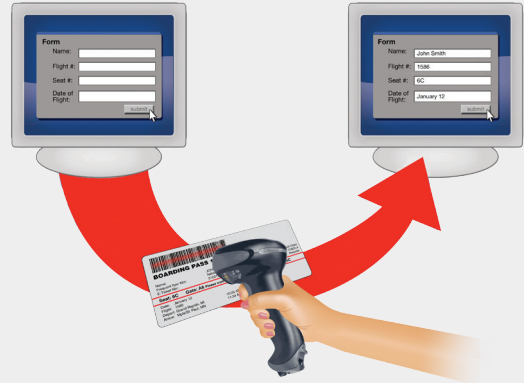
Features

- **Simplifies Identity Verification:** EasyBCBP takes the guesswork out of identity verification by using the data contained in the 2D bar codes found on boarding passes to confirm that a passenger is actually the person in question
- **Ease of Integration:** EasyBCBP is installed directly on the scanner, eliminating the need to make costly and time-consuming changes to the host system
- **Eliminates Data Entry Error:** The average person makes one error for every 20 words typed—EasyBCBP eliminates these costly errors by replacing manually entered data with data extracted from 2D bar codes found on boarding passes

EasyBCBP in Action

Use EasyBCBP in a wide variety of applications found in airports to confirm passenger identity including:

- Passenger check-in
- Passenger boarding
- Security screening
- Club lounge entry
- Duty-free store entry



Extracts only the desired fields from the 2D bar code found on boarding passes

Available Data Fields	
Format code	Source of boarding pass issuance
Airline designator of boarding pass issuer	Date of issue of boarding pass (julian date)
Passenger name	Document type
Electronic ticket indicator	Number of legs encoded
Operating carrier PNR code	Baggage tag licence plate number (s)
From city airport code	Date of flight (julian date)
To city airport code	Airline numeric code
Operating carrier designator	Document form/serial number
Flight number	Selectee indicator
Field size of following structured message - repeated	International documentation verification
Compartment code	Marketing carrier designator
Seat number	Frequent flyer airline designator
Check-in sequence number	Frequent flyer number
Passenger status	ID/AD indicator
Type of security data	Free baggage allowance
Beginning of version number	For individual airline use
Version number	Beginning of security data
Field size of following structured message - unique	Field size of following variable size field
Passenger description	Length of security data
Source of check-in	Security data

Available Field Delimiters	
ASCII Character Set	
NUL	LF DC4 RS (2 < F P Z d n x
SOH	VT NAK US) 3 = G Q [e o y
STX	FF SYN SP * 4 > H R \ f p z
ETX	CR ETB ! + 5 ? I S] g q {
EOT	SO CAN " , 6 @ J T ^ h r
ENQ	SI EM # - 7 A K U _ i s }
ACK	DLE SUB \$. 8 B L V ' j t ~
BEL	DC1 ESC % / 9 C M W a k u DEL
BS	DC2 FS & 0 : D N X b l v
HT	DC3 GS ' 1 ; E O Y c m w

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