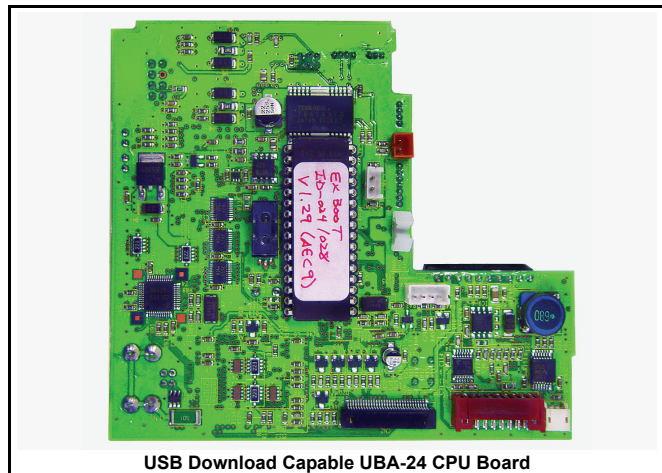


[www.jcm-american.com](http://www.jcm-american.com)

The JCM web site provides the tools required, including the software information database containing DIP Switch information, our Photo Parts Catalog, online ordering form, service materials, and much more.

## Parts are Parts



**Part No.** 701-000179R

**Description:** UBA 14/24 CPU

**Usage:** A CPU for use in USB capable UBA Units

**Note:** The UBA-10 and UBA-11 contain only an 8 Megabyte Memory Chip used for both the Program and Identification Software. The UBA-14 and UBA-24 however, contain a 1 Megabyte 45ns Boot ROM that holds the Basic Operating System files and a 16 Megabyte Flash Memory Chip for holding the Identification Software. By separating the Operating System files from the Identification Software files, the UBA-14/24 series units are capable of utilizing the System download technology to upgrade Validator Software.

## Latest JCM Software Listing

UNIT	ID	Version*	CRC or Check Sum
UBA-10/11-SS	ID-003	V1.71-16	AD3C
UBA-10/11-SS	ID-024	V1.77-17	CRC=719A
UBA-14-SS & UBA-24-SS/SU	ID-024	V1.76-24	CRC=421D
UBA-14-SS & UBA-24-SS/SU	ID-028	V1.76-13	CRC=650A
WBA-12/13-SS	ID-003	V-3.75-32i*	C9AB
WBA-12/13-SS	ID-0C3	V-3.75-09i*	64F4
WBA-12/13-SS	ID-022/023	V-3.63-03i*	1068
WBA-12/13-SS	ID-044C	V-3.75-05i*	FE10
WBA-12/13-SS	ID-044	V-3.75-05i*	D716
WBA-12/13-SS	ID-024	V-3.75-34	CD3B
DBV-200-B0/B1	ID-022/023	V-2.61-04-03	79E0
DBV-200-A2/A3	ID-044P/045P	V-2.70-05	AA03
DBV-200-A2/A3	ID-044WP/045WP	V-2.61-05	19F7
DBV-200-B4/B5	ID-024	V-2.70-11	6C31
DBV-200-B4/B5	ID-003	V-2.61-02	9E55

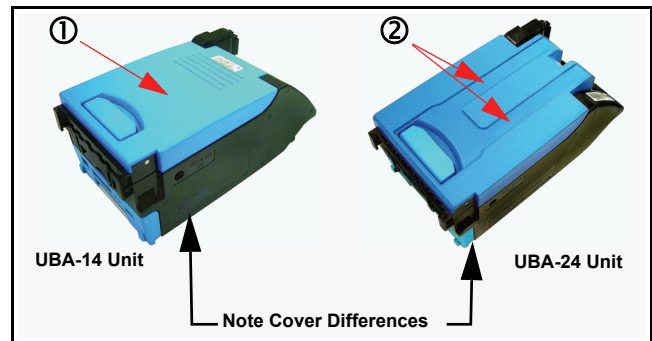
\* an "i" suffix indicates Intelligent Cash Box option.

The list of JCM bill validator software provided herein notifies customers of the latest versions developed. However, the listing does not identify versions approved by gaming jurisdictional authorities for actual use. Customers should consult JCM's Parts Sales departments concerning approved versions for jurisdictions of intended use.

## Technical Notes

The differences between the UBA-14 and UBA-24 Cover are shown below:

1. UBA-14 Unit Cover (no Indents).
2. UBA-24 Unit Cover (with Indents).



## Save Time and Labor with JCM's Intelligent Cash Box System

The ICB® (Intelligent Cash Box) system is a unique cash management system that allows the operator to track a cash box and its contents through the entire cash process. The ICB system eliminates the need for dedicating cash boxes to specific machines, or putting barcode identification labels on the cash boxes. The cash boxes are tracked electronically eliminating most variance issues, and with the custom reports provided to each department, accuracy and efficiency is greatly improved.





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Technical Bulletin 200804 April 2008

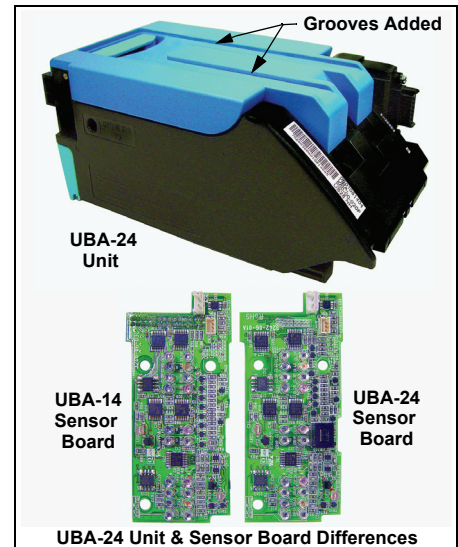
## Technical Tips

**Question:** What are the differences between a UBA 14 and a UBA 24?

**Answer:** The UBA 14 was initially introduced to allow a 'System Download' capability for software upgrades and the use of USB communications capabilities to perform the process.

The memory size of the UBA 14 was also upgraded from 8 Megabytes, (used in the UBA 10/11 Series) to a larger 16 Megabyte capacity. Around the same time various manufacturers also were changing their Cabinet designs to utilize an Up-Stack version Bill Validator.

The UBA 24 is actually a modified UBA 14 Unit. The Case Cover design was changed to provide better support for the Up-Stack configuration (See Top Figure at right), and the Lower Sensor Board was changed to add Bar-Code capabilities for the new orientation (See Bottom Figures at right). The Harness determines which Bar-Code Sensor is utilized to read a barcode.



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Product Support Direct	(702) 651-3444	techsupport@jcm-american.com
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Training	(800) 683-7248	training@jcm-american.com
<b>Optipay Product Support (DBV-30X, RC-10, A-66)</b>		
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JCM prides itself in offering the best customer service in the industry. We prove this by offering a 24 hour hotline, where technical support personnel can be reached at any time, 7 days a week. To reach our 24/7 after hour's hotline, just follow these three easy steps:		
1. Call JCM American at (800) 683-7248, then		
2. Select option 5 and wait for the call to be transferred to the JCM after hour's Technical Support line.		
3. Speak with a certified JCM support technician about your situation.		
TOVIS TECHNICAL SUPPORT CONTACTS		
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Product Support - Tovis Service Center	(702) 263-5560 (Mon - Fri, 9am - 5pm)	roy@tovism.com
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