

Monitor Embedded for Toshiba

Integrated Document Manager for Educational Campuses

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Total Document Management

Monitor Embedded for Toshiba offers flexible, affordable management of print, copy, scan and fax, integrated into a multifunction printer (MFP). Highly scalable, it can track all document costs either as a stand-alone in a school, or as part of a print room in a university or college.

The software inside the Toshiba MFP authenticates users, by reading any type of access card. Staff and students can also enter a login directly on the user friendly touchscreen. **Monitor Embedded for Toshiba** provides a seamless user experience between the embedded application and the MFP. Monitor's sophisticated transaction management software, Supervisor Net, records and reports on all document activity. It captures user and department codes and can apply different price rates and quota across the campus. Administrators can use this data to create a print policy based on sensible rules and restrictions.

With **Monitor Embedded for Toshiba**, an educational campus can -

- Use **any ID, access or student card** to charge accounts
- Make **dramatic cost and environmental savings** through cutting waste and misuse
- Ensure **all document costs are charged** either to students, or accurately to departments with easy code searching on the MFP
- Determine which **users and/or departments are printing the most**
- **Restrict** what users can print, **by creating printing policies**
- **Provides multiple pricing options** to differentiate students and staff

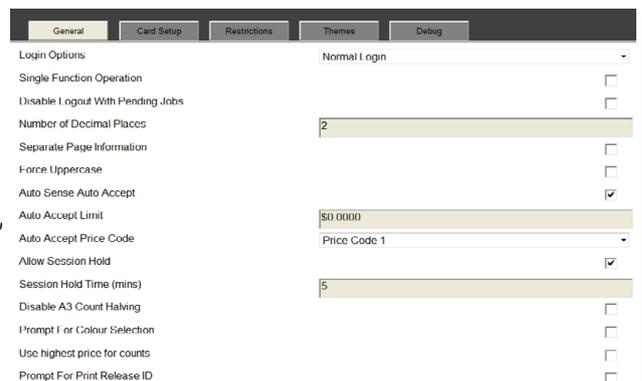
By cutting waste and printer misuse, the return on investment can be months. Lowering page counts is one of the easiest strategies to reduce a campus' carbon footprint, as it means less paper, toner, energy, transport and fewer devices. Embedded solutions also eliminate the need for print release stations and external control terminals.

Configurable Options

The **Monitor Embedded for Toshiba** offers campuses a wide range of flexible options including -

Configurable Options

- Login options include:
 - Using an ID card - with or without a PIN (Swipe Card, Mifare, Proximity, HID etc)
 - Card number (with or without a PIN)
 - User ID (with or without a PIN)
 - Network Authentication (Username and Password)
- Card Association
- Optional narration entry
- Configurable session duration
- Configurable initial prompt
- Interrupt session option
- Disable keypad entry
- Configurable department/ project code prompt
- Search for department/ project codes
- Disable ability to search for department/project codes
- Select code from 6 last codes used
- Offline user message and support
- Offline mode timeout period
- Validation timeout period
- Customisable logo on screen



Technical features

- Track 1 & 2 magnetic card support
- Mifare reader support
- HID reader support
- USB card reader support
- Configurable card number length & offset
- Prompt for card suffix
- Accept 'Monitor' cards only
- Encrypted communication with host
- Institutes additional swipes once a transaction has started

Print, Copy, Scan and Fax

Each MFP is locked until the user logs in - either by entering a network login on the touch screen, or by swiping an access, student or library card, with PIN as an option. A staff member can be required to enter a departmental code or cost-centre, which they can search easily on the MFP. Users also have the option to print jobs from MFP storage, network location or from a USB memory stick.

For walk up copying and scanning, staff and students identify themselves at the MFP and staff then allocate the job to an account.

For follow me printing, users send documents from their workstation to a queue and then the user can release the job at any of their choice of MFPs.

All details of all transactions are allocated, so reporting captures print, copy and scan activity at device level, user level and across the campus. All student related costs can be charged to student prepaid accounts.

Scan functions with **Monitor Embedded for Toshiba** include -

- Scan to me
- Scan to email
- Scan to USB
- Scan to storage
- Scan to ftp
- Scan to file

Copy and Print Auditing

The first stage of managing any situation is to monitor and measure. Administrators can identify the types of documents that are being printed and the number of copies, as well as when and where. A printing policy can be established that reflects expenditure and minimises waste and misuse. Device utilisation can be analysed for appropriate placement and use.

Monitor Embedded for Toshiba records an audit trail of all copy and print activity including -

- User name
- Originating workstation
- Date and time
- Cost
- Features used (e.g. b&w, colour, duplex etc)
- Document name
- Destination printer or MFP
- Page count
- Paper size
- Department or cost centre

Rule Builder

Monitor Print's powerful rule engine allows organisations to create their own customised rules for students and/or staff to adhere to, such as default to black and white and double-sided printing by intelligently managing print queues. Through the rule builder, organisations have the option to create an interactive popup that sends a question to the user and based on their response triggers and action.

Swipe card or touch screen authentication

USER AUTHENTICATION
Key in the user name and password. Press OK.

USER NAME

PASSWORD

LDAP Supervisor Net

OK

Paper Empty 04/07/2012 14:03 LOG OFF

Department or project code search

MONITOR

Search by Name

Number Search

Recently Used

Enter Code >>

Next

Search results

Secondary

Name	Number
English Department	10
Math Department	11
Science Department	12

Prev Next OK Cancel

Creating sensible print policies

It is not necessary to charge for printing to save money. By knowing what's being printed and where, a school, college or university can implement a print policy based on sensible restrictions. **Monitor Embedded for Toshiba** displays a prompt with the page count and the cost before a job is printed. This highlights duplicates and requires users to confirm they really want to print their document. Only the documents actually required are then printed, eliminating waste and saving significant costs.

Secure, Controlled Print Release

Monitor Embedded for Toshiba offers controlled, secure release of print jobs from the MFP. After users send print jobs from workstations, they can select the jobs they wish to release at a MFP of their choice. All print jobs are delivered securely to the user who has requested them, in the same building or at another site.

- All print jobs are listed at the MFP before release. Individuals can select to print all their documents or delete any not required.
- Users no longer wait at the printer wondering when their print job is coming or if it has already printed. They can bypass offline MFPs or choose a more convenient printer.
- Using follow me printing the user can choose to release their documents from any available MFP.
- Secure print release overcomes the common excuse that staff need their own printer for confidentiality, reducing the number of printers required.
- All print jobs are listed and details can be previewed by a user before release.
- Print release modes include audit, silent, popup, popup then hold, hold for release, popup or release

Print Release

User: TEST ACCOUNT		Pages	Cost
Print Release	Copy	0	\$0.00
	Print	0	\$0.00
	Scan	0	\$0.00
	Fax	0	\$0.00
Change PIN	Total	0	\$0.00

Balance: \$96.00

All print jobs are listed

User: TEST ACCOUNT		Name	Pages	Cost
Select All		Document 1	4	\$0.20
Select None		Document 2	4	\$0.20
		Document 3	4	\$0.20
		Document 4	4	\$0.20
		Document 5	4	\$0.20
Usage Screen		Document 6	4	\$0.20

Prev Next 1/2 Delete Print

Balance: \$96.00 Selected: \$0.00

Technical Data

- Requires Windows XP or later - Supported on all Microsoft Windows / Active Directory servers
- Server requirements: Windows 2000 or later. Minimum 4 GB RAM, 500 MB free disk space, 16GB free for log files P4 2.x GHz (or better) recommended.
- Supervisor Net version 7.2.10 or later.
- Toshiba MFD must be running the Java VM version 4.1 or above.
- Microsoft .NET Framework 3.5 or later.
- Java version 7 or later is required to be installed on the server running MES.
- 32 bit for 32 bit Operating Systems. 64 bit for 64 bit Operating Systems.