MFD Integration Matrix (8 February 2021)

This document has been written for PaperCut MF resellers and technical architects. It provides a feature-by-feature comparison of all the copier/MFD/MFP/printer integration services available in PaperCut MF. PaperCut MF is a vendor-neutral solution: all integration methods/options are treated equally, and an endeavor is made to ensure all options address all requirements.

This document changes often as new releases and devices become available. Please ensure this document is current. Log in to the PaperCut MF Partner Portal (Support > PaperCut MF Manuals) to access the latest version.

B - HP	Brother	Canon (MEAP)	Canon Gen3+ (MEAP)	Dell (AIP)	Dell (LeSF)	Epson	Fuji Xerox (AIP)	Fuji Xerox ApeosPort V+		HP FutureSmart (Legacy)	HP (OSA)	HP OXP (Printer Only)	НР ОХР	HP Pro (Fast Release)
Bulk deployment: Allows the embedded solution to be rolled out remotely, to multiple devices. In environments that require large device roll outs, this not only increases operational efficiency, but also minimizes human errors.	No	No	No	Yes	No	No	Yes	Yes	No	No	No	Yes	Yes	No
Device scripting Customize user policy to restrict user behavior														
deviceLoginHook	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
devicePrintReleaseHook	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes
deviceJobLogHook	No	Yes	Yes	No	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Yes
Language selection	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Allows users to select a preferred language that will be used when they log in to any device that supports language selection at any location.														
Allocate or change accounts Allows users to allocate accounts to print jobs sent from a computer or using the Mobility Print environment (from a mobile device such as a smart phone or a tablet), directly at the device before releasing the job.	No	No	Yes	No	No	No	No	Yes	No	No	No	Yes	Yes	N/A
Change attributes Allows users to change the following attributes of held print jobs directly at the device before releasing the job: Copies Duplex mode (from 1-sided to 2-sided) Color mode (from color to grayscale)	No	No	Yes	No	No	No	No	Yes	No	No	Νο	No	Yes	N/A
The device displays the related cost change and savings (if applicable).														
Integrated Scanning Provides a consistent and easy way for users to scan documents to configurable email, folder, and cloud storage destinations and charge the job to an account.	No	No	Yes	No	No	Yes	No	Yes	No	No	Yes	N/A	Yes	No
Supported card readers	RFIdeas, Other	RFIdeas,	RFIdeas, Elatec,	RFIdeas,	RFIdeas,	RFIdeas,	RFIdeas,	IC Card Reader	RFIdeas, Elatec,	RFIdeas, Elatec,	RFIdeas, Elatec,	HP Proximity and	HP Proximity	HP Proximity and
Many organizations already have existing card systems on-site	keyboard	Elatec,	NTWare.	OmniKey,	OmniKey,	Elatec, HID	OmniKey,	A, IC Card	Magtek. Other	Magtek, HP Common	Magtek. Other	Universal, RF	and Universal,	Universal, RF
ranging from magstripe through to RFID and Proximity. Where	emulating	NTWare.	Other keyboard	MagTek,	MagTek –	Global, ACS,	MagTek,	Reader B,	keyboard	Card Readers. Other	keyboard	IDeas Elatec	RF IDeas Elatec	IDeas Elatec TWN
possible a choice of card reader should be offered so you can leverage existing cards for off-the-glass copying authentication.	readers require custom MFD configuration.	Other keyboard emulating readers must be tested.	emulating readers must be tested.	Other keyboard emulating readers must be tested.	LeSF 2.1+ only: Elatec, Acid, Weltrend	Sony	Other keyboard emulating readers must be tested.	HID Omnikey 5427 - External Type	emulating readers must be tested.	keyboard emulating readers must be tested.	emulating readers must be tested. (Older devices may not support readers)	TWN.	TWN.	
Supported related brands (re-label & OEM) The embedded solution has been confirmed to work on the following re-labeled or OEM devices.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Solution type Details on the type of integration method used by the solution: <i>Embedded:</i> Code running on the device at firmware level. <i>Onboard:</i> Code interacting with the device via web services. <i>Middleware:</i> Code interacting with the device via middleware. <i>Hybrid:</i> Code is a combination of other solution types (embedded, onboard, middleware).	Onboard	Embedded	Hybrid	Hybrid	Embedded	Middleware	Hybrid	Hybrid	Hybrid	 Hybrid: Embedded for authentication Onboard for tracking, Zero Stop, print release, account selection 	Onboard	Onboard	Onboard	Onboard
Zero Stop Where possible, PaperCut MF will make use of a copier's ability to stop jobs while in progress when a user runs out of credit,	Yes	Yes	Yes	Yes (C7765dn/A3 only)	Yes	Yes (up to 4 sheet delay)	Yes (DMP-X and above)	Yes	Yes	Yes (up to 8 sheet delay)	Yes (possible 1 page overrun on some devices)	No	Yes (up to 8 sheet delay)	N/A
reducing cost overruns.														1



				Dell	Dell Dell	Encon Euli Vorov	rox Fuii Xerox	HP HP_FutureSma		rt HP HP OXP			erCut	
B - HP	Brother	Canon (MEAP)	Canon Gen3+	Dell (AIP)	Dell (LeSF)	Epson	Fuji Xerox (AIP)	Fuji Xerox ApeosPort		HP FutureSmart (Legacy)	HP (OSA)	HP OXP (Printer	HP OXP	HP Pro (Fast
			(MEAP)					V+				Only)		Release)
In many organizations it is desirable to limit users or groups of users to monochrome copying only.														
Enforced login workflow (e.g. account selection)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
PaperCut MF can bring the common printing workflows to off-the-									(account	(account selection via		(account		,
glass copying, allowing costs to be associated with departmental									selection via	extra button)		selection via		
accounts rather than just a user.									extra button)			extra button)		
Shared account selection from list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Many organizations use named shared accounts. Where possible														
devices should offer the ability to select accounts from a visible														
list bypassing the need to use account codes.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Shared account keyword search Expanding on the shared account selection from a list, the ideal	165	Tes	165	165	165	Tes	105	163	165	105	163	165	163	N/A
interface should allow users to search accounts by keywords. This														
makes handling of 10,000 matters/projects easy.														
Shared account selection by code/PIN	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Selecting an account from a list or by search is preferred by most														
users, however some devices have constrained interfaces and														
selecting a code (e.g. numeric number) may be more convenient.														
Shared account invoicing/comments options	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	N/A
Provide functionality to invoice jobs and add comments.														
Customizable logos / colors	No	Yes (limited)	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	N/A
If an organization already has a corporate style or branding in														
place, why not go the extra step and implement this on their														
copier login screens?	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	N/A
Track faxing	INU	Tes	res	res	Tes	Tes	Tes	Tes	res	Tes	Tes	N/A	Tes	N/A
Many devices include functionality for sending Faxes. Organizations may want to account for these events and where														
possible PaperCut MF will allow for tracking of these to the user.														
Track USB printing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	Yes	N/A
Newer devices are now giving users the ability to print resources					(LeSF 2.1+									
stored on removable media such as USB drives. Where available					only)									
PaperCut MF will allow for tracking of these print jobs to the user.														
Track scanning (e.g. to email or USB memory stick)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	N/A
With many organizations implementing green practices it is					(Email/FTP, to USB LeSF 2.1+									
becoming more common for users to scan a document to an electronic format rather than make another paper copy. Where					only)									
possible PaperCut MF can track these scans to the user.					0,									
Auto-populate email when Scanning									1					
Auto-populate email when Scanning (From address)	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	N/A	Yes	N/A
Auto-populate email when Scanning (To address)	No	Yes	Yes	Yes	Yes	No	Yes	Yes	No	Yes (on HP	Yes (on OSA4+	N/A	Yes	N/A
	-								-	FutureSmart 3.0)	devices)	,		,
Fine grained system access control	No	No	No	Yes	No	No	Yes	Yes	No	Yes	No	Yes	Yes	N/A
Multi-function devices often have the capability of faxing and														
scanning. Organizations may want to allow free faxing and														
scanning. In this case the device can often be configured to allow														
access to functions without login.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Secure Print Release / Find Me Printing	res	Tes	res	res	Tes	Tes	Tes	Tes	res	Tes	Tes	res	Tes	Tes
After a user authenticates at a device, they should be able to release jobs from a hold-release queue or a global virtual find-me														
printing queue.														
Release all jobs on login	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shortcutting the process of selecting jobs held in the release														
queue by automatically releasing all print jobs on														
login/authentication.														
Release jobs selected from a list	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A
Displays a list of jobs that can be individually printed or cancelled.														
Block jobs from being released to a printer	No	Yes	Yes	No	Yes	No	Yes	Yes	No	No	Yes	Yes	Yes	N/A
reporting an error (PIE)														
Prevent users from releasing jobs on devices reporting an error.														
User authentication at device options														
Ideal solutions may be configured to offer users a choice of														
authentication options (e.g. if the user has left their card at home														
they can fall back to username and password login).	Vee	Ner	Vee	No -	No	Ver	Vee	Vac	Maa	Vaa	Maa	Vee	Mag	Na
Username and password authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No

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B - HP	Brother	Canon (MEAP)	Canon	Dell (AIP)	Dell (LeSF)	Epson	Fuji Xerox (AIP)	Fuji Xerox ApeosPort		HP FutureSmart	HP (OSA)	HP OXP (Printer	НР ОХР	HP Pro (Fast
		(IVIEAP)	Gen3+	(AIP)	(Lesr)		(AIP)		(Chai)	(Legacy)	(USA)			
			(MEAP)					V+		10		Only)		Release)
										(Cannot use username and ID at the same time)				
ID-only authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Cannot use username and ID at the same time).	Yes	Yes	Yes	No
ID + PIN authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Card-only authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Card + PIN authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Self-association of cards with existing user accounts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Define or set PIN on first use/login	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Allow anonymous access	Yes No	Yes	Yes	Yes	Yes	Yes	Yes	Yes Yes	Yes No	Yes	Yes Yes	Yes	Yes	No No
Allow guest/anonymous access Authentication options can be configured together with the guest/anonymous access option so that copying is tracked against the anonymous user account.	NO	Yes	Yes	No	No	No	No	Yes	NO	No	Yes	No	Yes	NO
Single Sign-On (SSO) Once a user is authenticated, SSO allows other MFP applications to re-use the user information (e.g. name, email, etc.). Applications may include 3rd party scanning solutions or built-in MFP features. Support depends on the platform and application. Options include: Platform: Applications may access user info using SSO features of the MFP platform. PaperCut: No platform SSO exists. Applications may use PaperCut Device REST APIs to access the logged-in user details.	PaperCut	PaperCut	PaperCut	PaperCut	Platform	PaperCut	PaperCut	PaperCut	PaperCut	Platform	Platform	Νο	Platform	PaperCut
Swipe to log out Allows users to use their swipe cards to log out of the device.	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No
Offline mode Enables the device to continue to be used when the PaperCut server is unavailable. Options include: Platform: Offline access is provided by the device platform. Offline activity is not tracked. PaperCut: Offline access is provided by the application. Offline activity is tracked. N/A: Offline access is not available.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Extra licensing requirements Additional license/module may be required from the MFP vendor. Contact vendor for pricing is applicable.	No	Yes	Yes	No	No	Yes Epson EOP	Yes Extensible Customization Kit	Yes Extensible Customization Kit	No	No	Yes HP OSA.	No	No	No
Assisted setup Some devices may require installation assistance from trained/certified copier technician (e.g. service code setting changes)	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Security rating (out of 5) Devices that do not follow best practice security and/or have known security issues such as lost data on power failure score lower here. E.g. scores lower than 4 may not be appropriate for secure student environments. Scores based on security reviews.	4	4	4	4	5	4	4	4	5	4.5	4	4.5	4.5	4
Install time (minutes) Expected install and post install testing time for a technician experienced with both PaperCut and copier/hardware platform.	20	30	30	30	30	25	30	20	30	30	30	15	20	20
Supported server operating systems PaperCut is full a cross-platform product and aims to support all hardware/software options in any combination. This lists the server OS's that are compatible with the solution.	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell
All character sets supported Determines whether device can support non-English/Latin characters. E.g. Chinese, Japanese, Korean etc.	Yes	Yes (may require expansion packs)	Yes (may require expansion packs)	Yes	Yes (requires expansion packs)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A

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Ko - R	Konica Minolta	Kyocera	Lexmark	Lexmark T656 printer	Lexmark T654 printer	Muratec	OKI (Open Platform)	OKI sXP2	Ricoh ESA SDK/J (SDK 4+)	Ricoh ESA SmartSDK (SOP)	Ricoh ESA SmartSDK (SOP) Printer Only		
Bulk deployment: Allows the embedded solution to be rolled out remotely, to multiple devices. In environments that require large device roll outs, this not only increases operational efficiency, but also minimizes human errors. Device scripting	Yes (i- Option OpenAPI 4.0+ only)	Yes	No	No	No	No	No	No	No	Yes	Yes		
Customize user policy to restrict user behavior	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		
deviceLoginHook	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		
devicePrintReleaseHook	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes		
deviceJobLogHook	Yes	Yes	No	No	No	No	No	No	No	Yes	Yes		
Language selection Allows users to select a preferred language that will be used when they log in to any device that supports language selection at any location.													
Allocate or change accounts Allows users to allocate accounts to print jobs sent from a computer or using the Mobility Print environment (from a mobile device such as a smart phone or a tablet), directly at the device before releasing the job.	Yes	Yes	No	No	No	No	No	No	No	Yes	Yes		
Change attributes Allows users to change the following attributes of held print jobs directly at the device before releasing the job: Copies Duplex mode (from 1-sided to 2-sided) Color mode (from color to grayscale)	Yes	Yes	No	No	No	No	No	No	No	Yes	Yes		
The device displays the related cost change and savings (if applicable).													
Integrated Scanning Provides a consistent and easy way for users to scan documents to configurable email, folder, and cloud storage destinations and charge the job to an account.	Yes (i-Option only)	Yes	Yes	No	No	No	No	No	Yes	Yes	N/A		
Supported card readers Many organizations already have existing card systems on-site ranging from magstripe through to RFID and Proximity. Where possible a choice of card reader should be offered so you can leverage existing cards for off-the-glass copying authentication.	Konica proprietary reader (AU- 201), with drivers: Omni Key, YSoft, possibly others	Card Auth. Kit required; US: RFIDeas, Elatec. EU: Elatec. Other: RFIDeas, Elatec + ask copier dealer	RFIdeas, OmniKey, MagTek – LeSF 2.1+ only: Elatec, Acid, Weltrend	RFIdeas, OmniKey, MagTek	RFIdeas, OmniKey, MagTek	RFIdeas pcProx plus	Elatec (custom firmware from OKI), Toshiba e- Bridge idGate, Magtek Dynamag	Elatec, TWN4	CIS, Elatec, HID Global, Inepro, Interflex, MagTek, RF IDeas, Tysso	Elatec TWN4, RF IDeas	Elatec TWN4, RF IDeas		
Supported related brands (re-label & OEM) The embedded solution has been confirmed to work on the following re-labeled or OEM devices.	ImageTech, DEVELOP EU	Olivetti, Triumph- Adler, UTAX	OKI (LeSF), Toshiba (LeSF)	N/A	N/A	N/A	N/A	N/A	Lanier, Savin, Nashuatec, Gestetner	N/A	N/A		
Solution type Details on the type of integration method used by the solution: <i>Embedded:</i> Code running on the device at firmware level. <i>Onboard:</i> Code interacting with the device via web services. <i>Middleware:</i> Code interacting with the device via middleware. <i>Hybrid:</i> Code is a combination of other solution types (embedded, onboard, middleware).	Onboard	Embedded	Embedded	Embedded	Embedded	Embedded	Onboard	Middleware	Embedded	Embedded	Embedded		
Zero Stop Where possible, PaperCut MF will make use of a copier's ability to stop jobs while in progress when a user runs out of credit, reducing cost overruns.	Yes	Yes (1-3 page delay)	Yes	N/A	N/A	Yes	Yes	Yes	Yes (possible 1 page overrun on some devices)	Copy/USB print only (up to 3 page delay)	USB print only (up to 3 page delay)		
Restrict color copying In many organizations it is desirable to limit users or groups of users to monochrome copying only.	Yes	Yes	Yes	N/A	N/A	N/A	Yes	Yes	Yes	Yes	N/A		
Enforced login workflow (e.g. account	Yes	Yes	Yes	N/A	N/A	No	No	Yes	Yes	Yes	N/A		

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Ko - R	Konica Minolta	Kyocera	Lexmark	Lexmark T656 printer	Lexmark T654 printer	Muratec	OKI (Open Platform)	OKI sXP2	Ricoh ESA SDK/J (SDK 4+)	Ricoh ESA SmartSDK (SOP)	Ricoh Smart (SOP) Only
PaperCut MF can bring the common printing workflows to off-the-glass copying, allowing costs to be associated with departmental accounts rather than just a user.											
Shared account selection from list Many organizations use named shared accounts. Where possible devices should offer the ability to select accounts from a visible list bypassing the need to use account codes.	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Shared account keyword search Expanding on the shared account selection from a list, the ideal interface should allow users to search accounts by keywords. This makes handling of 10,000 matters/projects easy.	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes	Yes	Yes	Yes
Shared account selection by code/PIN Selecting an account from a list or by search is preferred by most users, however some devices have constrained interfaces and selecting a code (e.g. numeric number) may be more convenient.	Yes	Yes	Yes	N/A (via client software)	N/A (via client software)	Yes	Yes	Yes	Yes	Yes	Yes
Shared account invoicing/comments options Provide functionality to invoice jobs and add comments.	Yes (i-Option only)	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes
Customizable logos / colors If an organization already has a corporate style or branding in place, why not go the extra step and implement this on their copier login screens?	Yes (i-Option only)	Yes	Yes	Yes	N/A	No	Yes	No	Yes	Yes	Yes
Track faxing Many devices include functionality for sending Faxes. Organizations may want to account for these events and where possible PaperCut MF will allow for tracking of these to the user.	Yes	Yes	Yes	N/A	N/A	Yes (Memory Transmission)	Yes	Yes	Yes	Yes	N/A
Track USB printing Newer devices are now giving users the ability to print resources stored on removable media such as USB drives. Where available PaperCut MF will allow for tracking of these print jobs to the user.	Yes	Yes	Yes (LeSF 2.1+ only)	No	N/A	Yes	Yes	Yes	No (Not supported by ESA SDK – raised with Ricoh)	Yes	Yes
Track scanning (e.g. to email or USB memory stick) With many organizations implementing green practices it is becoming more common for users to scan a document to an electronic format rather than make another paper copy. Where possible PaperCut MF can track these scans to the user.	Yes	Yes	Yes (Email/FTP, to USB LeSF 2.1+ only)	N/A	N/A	Yes (Email, FTP, Network Folder, to USB)	Yes	Yes	Yes	Yes	N/A
Auto-populate email when Scanning											
Auto-populate email when Scanning (From address)	Yes	Yes (A4 need firmware update)	Yes	N/A	N/A	No	Yes	No	No (no API – raised with Ricoh)	Yes (cannot be configured or disabled)	N/A
Auto-populate email when Scanning (To address)	Yes (i-Option OpenAPI 3.1+ only)	Yes (only on 7 inches or larger screens)	Yes	N/A	N/A	No	Yes (with 08 system code setting)	No	No (no API – raised with Ricoh). Can add user's email to address book for easy access	Yes	N/A
Fine grained system access control Multi-function devices often have the capability of faxing and scanning. Organizations may want to allow free faxing and scanning. In this case the device can often be configured to allow access to functions without login.	No	No	No	No	No	No	No	No	Yes	Yes	Yes
Secure Print Release / Find Me Printing After a user authenticates at a device, they should be able to release jobs from a hold-release queue or a global virtual find-me printing queue.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Release all jobs on login Shortcutting the process of selecting jobs held in the release queue by automatically releasing all print jobs on login/authentication.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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Ko - R	Konica Minolta	Kyocera	Lexmark	Lexmark T656 printer	Lexmark T654 printer	Muratec	OKI (Open Platform)	OKI sXP2	Ricoh ESA SDK/J (SDK 4+)	Ricoh ESA SmartSDK (SOP)	Ricoh ESA SmartSDK (SOP) Printer Only		
Release jobs selected from a list Displays a list of jobs that can be individually printed or cancelled.	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		
Block jobs being released to a printer reporting an error (PIE) Prevent users from releasing jobs on devices reporting an error.	No	Yes	Yes	No	No	No	Yes	No	Yes	Yes	Yes		
User authentication at device options Ideal solutions may be configured to offer users a choice of authentication options (e.g. if the user has left their card at home they can fall back to username and password login).													
Username and password authentication	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		
Id-only authentication	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes		
Id + PIN authentication	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes		
Card-only authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Card + PIN authentication	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes		
Self-association of cards with existing user accounts	Yes (i-Option OpenAPI 3.1+ only)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes		
Define or set PIN on first use/login	Yes (i-Option only)	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes		
Allow anonymous access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
Allow guest/anonymous access Authentication options can be configured together with the guest/anonymous access option so that copying is tracked against the anonymous user account.	Yes (i-Option only)	Yes	Yes	No	No	No	No	No	No	Yes	Yes		
 Single Sign-On (SSO) Once a user is authenticated, SSO allows other MFP applications to re-use the user information (e.g. name, email, etc.). Applications may include 3rd party scanning solutions or built-in MFP features. Support depends on the platform and application. Options include: Platform: Applications may access user info using SSO features of the MFP platform. PaperCut: No platform SSO exists. Applications may use PaperCut Device REST APIs to access the logged-in user details. 	Platform	Platform	Platform	Platform	PaperCut	PaperCut	Platform	Platform	PaperCut	Platform	Platform		
Swipe to log out Allows users to use their swipe cards to log out of the device.	No	Yes	Yes	Yes	No	No	No	No	Yes	Yes	Yes		
Offline mode Enables the device to continue to be used when the PaperCut server is unavailable. Options include: Platform: Offline access is provided by the device platform. Offline activity is not tracked. PaperCut: Offline access is provided by the application. Offline activity is tracked. N/A: Offline access is not available.	N/A	PaperCut	N/A	N/A	N/A	N/A	N/A	N/A	PaperCut	N/A	N/A		
Extra licensing requirements Additional license/module may be required from the MFP vendor. Contact vendor for pricing is applicable.	No	No	No	No	No	No	Yes	No	Yes Java VM card	No	No		
Assisted setup Some devices may require installation assistance from trained/certified copier technician (e.g. service code setting changes)	Device dependent (RAM or firmware upgrade)	No	No	No	No	Yes	Yes	No	Yes	Yes	Yes		
Security rating (out of 5) Devices that do not follow best practice security and/or have known security issues such as lost data on power failure score lower here. E.g. scores lower than 4 may	4	4	5	5	5	3.5	4	4	4	4	4		

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Ko - R	Konica Minolta	Kyocera	Lexmark	Lexmark T656 printer	Lexmark T654 printer	Muratec	OKI (Open Platform)	OKI sXP2	Ricoh ESA SDK/J (SDK 4+)	Ricoh ESA SmartSDK (SOP)	Ricoh ESA SmartSDK (SOP) Printer	Paper	CutMF
									41)		Only		
not be appropriate for secure student environments. Scores based on security reviews.													
Install time (minutes) Expected install and post install testing time for a technician experienced with both PaperCut and copier/hardware platform.	45	30	30	20	20	5	50	20	45	20	20		
Supported server operating systems PaperCut is full a cross-platform product and aims to support all hardware/software options in any combination. This lists the server OS's that are compatible with the solution.	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux and Mac	Windows, Linux, Mac and Novell	PaperCut: Windows, Linux, Mac and Novell Middleware: Windows	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell		
All character sets supported Determines whether device can support non- English/Latin characters. E.g. Chinese, Japanese, Korean etc.	Yes	Yes	Yes (requires expansion packs)	Yes (requires expansion packs)	Yes (requires expansion pack)	No (English, French, Spanish)	Yes	Yes	Yes for SDK10+ devices. Previous devices may not support all Asian character sets	Yes	Yes		

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S – X	Samsung	Sharp OSA	Sharp OSA (HTML Browser n2.0+)	Sindoh	Toshiba eConnect	Toshiba SDK2	Toshiba V3	Xerox Network Accounting	Xerox Secure Access EIP 1.0+	Xerox Secure Access EIP 1.5+	Xerox (Secure Access EIP 1.5+) Print Only	
Bulk deployment: Allows the embedded solution to be rolled out remotely, to multiple devices. In environments that require large device roll outs, this not only increases operational efficiency, but also minimizes human errors.	No	Yes	Yes	Yes (i-Option OpenAPI 4.0+ only)	No	Yes	Yes	Yes	No	Yes	Yes	
Language selection Allows users to select a preferred language that will be used when they log in to any device that supports language selection at any location.	No	No	Yes	Yes	No	No	No	No	No	No	No	
Device scripting Customize user policy to restrict user behavior												
deviceLoginHook	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
devicePrintReleaseHook	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
deviceJobLogHook	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes	
Allocate or change accounts Allows users to allocate accounts to print jobs sent from a computer or using the Mobility Print environment (from a mobile device such as a smart phone or a tablet), directly at the device before releasing the job.	No	No	Yes	Yes (i-Option only)	No	No	Yes	No	No	Yes (for EIP 3.0+ devices)	Yes (for EIP 3.0+ devices)	
Change attributes Allows users to change the following attributes of held print jobs directly at the device before releasing the job: • Copies • Duplex mode (from 1-sided to 2-sided) • Color mode (from color to grayscale) The device displays the related cost change and savings (if applicable).	No	Νο	Yes	Yes (i-Option only)	Νο	Νο	Yes	No	No	Yes (for EIP 3.0+ devices)	Yes (for EIP 3.0+ devices)	
Integrated Scanning Provides a consistent and easy way for users to scan documents to configurable email, folder, and cloud storage destinations and charge the job to an account.	No	Yes	Yes	Yes (i-Option only)	Yes	No	Yes	No	No	Yes (for EIP 3.0+ devices)	N/A	
Supported Card Readers Many organizations already have existing card systems on-site ranging from magstripe through to RFID and Proximity. Where possible a choice of card reader should be offered so you can leverage existing cards for off-the-glass copying authentication.	keyboard emulating readers must be tested	RFIdeas, Elatec, Magtek. Other keyboard emulating readers must be tested. (Older devices may not support readers)	Elatec TWN3 Prox Elatec TWN4 Equitrac Y591-EHID- 201 v01 Onmikey 5427 MAGTEK 21040110 RF IDEAS AIR ID Enroll Proximity Reader RDR- 7081AKU RF IDEAS RDR- 6081AKU RF IDEAS RDR- 80581AKU RF IDEAS RDR- 80581AKU RF IDEAS RDR- 805H1AKU RF IDEAS RDR- 805H1AKU	Konica proprietary reader (AU- 201), with drivers: Omni Key, YSoft, possibly others. SDH1200, RFIdeas.	RFIdeas, Elatec, Magtek. Other keyboard emulating readers must be tested.	Elatec, Toshiba e-Bridge idGate, Magtek Dynamag, RFIdeas, IDTECH, Datalogic, Cartardis, FTDI. Other keyboard emulating readers require MFD to be configured by a technician.	Elatec, Toshiba e- Bridge idGate, Magtek Dynamag, RFIdeas, IDTECH, Datalogic, Cartardis, FTDI. Other keyboard emulating readers require MFD to be configured by a technician.		USB readers from Elatec, RFIdeas, OmniCard (*some models see docs). Network card readers from Elatec and RFIdeas.	Elatec, RFIdeas, OmniCard (*some models see docs). Network card readers from Elatec and RFIdeas.	USB readers from Elatec, RFIdeas, OmniCard (*some models see docs). Network card readers from Elatec and RFIdeas.	
Supported related brands (re-label & OEM) The embedded solution has been confirmed to work on the following re-labeled or OEM devices.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Solution type Details on the type of integration method used by the solution: Embedded: Code running on the device at firmware level. Onboard: Code interacting with the device via web services. Middleware: Code interacting with the device via middleware. Hybrid: Code is a combination of other solution types (embedded, onboard, middleware). pyright © PaperCut Software Int. Pty. Ltd. All Rights Reserved.	Embedded	Onboard	Onboard	Onboard	Onboard	Onboard	Onboard	Onboard	Onboard	Onboard	Onboard	Page 8 of



Yes	
Yes	
Yes	
Yes (for EIP 3.0+ devices)	
Yes (for EIP 3.0+ devices)	
N/A	
USB readers from Elatec, RFIdeas, OmniCard (*some models see docs). Network card readers from Elatec and RFIdeas.	
N/A	
Onboard	

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S – X	Samsung	Sharp OSA	Sharp OSA (HTML Browser n2.0+)	Sindoh	Toshiba eConnect	Toshiba SDK2	Toshiba V3	Xerox Network Accounting	Xerox Secure Access EIP 1.0+	Xerox Secure Access EIP 1.5+	Xerox (Secure Access EIP 1.5+) Print	
Zero Stop Where possible, PaperCut MF will make use of a copier's ability to stop jobs while in progress when a user runs out of credit, reducing cost overruns.	Yes	Copy/USB print only possible 1 page overrun on some devices	Copy/USB print only possible 1 page overrun on some devices	Yes	Yes (possible 1 page overrun on some devices)	Yes	Yes	No	No	Yes (for Xerox EIP 2.0+ devices with Job Limits enabled)	Only N/A	
Restrict color copying In many organizations it is desirable to limit users or groups of users to monochrome copying only.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes (PaperCut MF 13.4 onwards and Xerox EIP 2.0+ devices with Job Limits enabled)	N/A	
Enforced login workflow (e.g. account selection) PaperCut MF can bring the common printing workflows to off- the-glass copying, allowing costs to be associated with departmental accounts rather than just a user.	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	
Shared account selection from list Many organizations use named shared accounts. Where possible devices should offer the ability to select accounts from a visible list bypassing the need to use account codes.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	
Shared account keyword search Expanding on the shared account selection from a list, the ideal interface should allow users to search accounts by keywords. This makes handling of 10,000 matters/projects easy.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes (Exact name search)	Yes	Yes	
Shared account selection by code/PIN Selecting an account from a list or by search is preferred by most users, however some devices have constrained interfaces and selecting a code (e.g. numeric number) may be more convenient.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Shared account invoicing/comments options Provide functionality to invoice jobs and add comments.	Yes	Yes	Yes	Yes (i-Option only)	Yes	No	Yes	No	No	Yes	Yes	
Customizable logos / colors If an organization already has a corporate style or branding in place, why not go the extra step and implement this on their copier login screens?	Yes	Yes	Yes	Yes (i-Option only)	Yes	Yes	Yes (logos only)	No	No	Yes (for EIP 3.0+ devices)	Yes	
Track faxing Many devices include functionality for sending faxes. Organizations may want to account for these events and where possible PaperCut MF will allow for tracking of these to the user.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (not supported on all MFPs, contact Xerox to check support)	Yes (not supported on all MFPs, contact Xerox to check support)	Yes (not supported on all MFPs, contact Xerox to check support)	N/A	
Track USB printing Newer devices are now giving users the ability to print resources stored on removable media such as USB drives. Where available PaperCut MF will allow for tracking of these print jobs to the user.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Yes	Yes	
Track scanning (e.g. to email or USB memory stick) With many organizations implementing green practices it is becoming more common for users to scan a document to an electronic format rather than make another paper copy. Where possible PaperCut MF can track these scans to the user.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	
Auto-populate email when Scanning				1					1	1		1
Auto-populate email when Scanning (From address)	Yes (for SDK 1.16 devices)	Yes (on OSA4+ devices)	Yes	Yes	No	Yes	Yes	No	Yes	Yes	N/A	
Auto-populate email when Scanning (To address)	Yes (for SDK 1.16 devices)	No	No	Yes	Yes	Yes (with 08 system code setting)	Yes (with 08 system code setting)	No	Yes (enabled with "Add to me" in Email Defaults settings)	Yes (enabled with "Add to me" in Email Defaults settings)	N/A	
Fine grained system access control Multi-function devices often have the capability of faxing and scanning. Organizations may want to allow free faxing and scanning. In this case the device can often be configured to allow access to functions without login.	Yes	No	No	No	No	No	No	Device dependent	Device dependent	Device dependent	Device dependent	

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S – X	Samsung	Sharp OSA	Sharp OSA (HTML Browser n2.0+)	Sindoh	Toshiba eConnect	Toshiba SDK2	Toshiba V3	Xerox Network Accounting	Xerox Secure Access EIP 1.0+	Xerox Secure Access EIP 1.5+	Xerox (Secure Access EIP 1.5+) Print Only	
Secure Print Release / Find Me Printing After a user authenticates at a device, they should be able to release jobs from a hold/release queue or a virtual/"global" Find Me Printing queue.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Release all jobs on login Shortcutting the process of selecting jobs held in the release queue by automatically releasing all print jobs on login/authentication.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Release jobs selected from a list Displays a list of jobs that can be individually printed or cancelled.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	
Block jobs being released to a printer reporting an error (PIE) Prevent users from releasing jobs on devices reporting an error.	Yes	Yes	Yes	No	Yes	Yes		No	No	Yes (for EIP 3.0+ devices)	Yes (for EIP 3.0+ devices)	
User authentication at device options Ideal solutions may be configured to offer users a choice of authentication options (e.g. if the user has left their card at home they can fall back to username and password login).				·			·	·	·	·	· · · ·	
Username and password authentication	Yes	Yes	Yes	Yes	Yes (Cannot use username and ID at the same time.)	Yes	Yes	Yes	Yes	Yes	Yes	
ld-only authentication	Yes	Yes	Yes	Yes	Yes (Cannot use username and ID at the same time.)	Yes	Yes	Yes	Yes	Yes	Yes	
Id + PIN authentication	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	
Card-only authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	
Card + PIN authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	
Self-association of cards with existing user	Yes	Yes	Yes	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes	
accounts Define or set PIN on first use/login	Yes	Yes	Yes	Yes (i-Option only)	Yes	No	Yes	No	Yes	Yes	Yes	
Allow anonymous access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Allow guest/anonymous access Authentication options can be configured together with the guest/anonymous access option so that copying is tracked against the anonymous user account.	No	Yes	Yes	Yes (i-Option only)	Yes	No	Yes	No	No	Yes	Yes	
Single Sign-On (SSO) Once a user is authenticated, SSO allows other MFP applications to re-use the user information (e.g. name, email, etc.). Applications may include 3 rd party scanning solutions or built-in MFP features. Support depends on the platform and application. Options include: Platform: Applications may access user info using SSO features of the MFP platform. PaperCut: No platform SSO exists. Applications may use PaperCut Device REST APIs to access the logged-in user details.	Platform	Platform	Platform	Platform	Platform	Platform	Platform	PaperCut	Platform	Platform	Platform	
Swipe to log out Allows users to use their swipe cards to log out of the device.	Yes	No	No	No	Yes	No	Yes	N/A	Yes	Yes	Yes	
Offline mode Enables the device to continue to be used when the PaperCut server is unavailable. Options include: Platform: Offline access is provided by the device platform. Offline activity is not tracked. PaperCut: Offline access is provided by the application. Offline activity is tracked. N/A: Offline access is not available.	N/A	Platform	Platform	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	



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S – X	Samsung	Sharp OSA	Sharp OSA (HTML Browser n2.0+)	Sindoh	Toshiba eConnect	Toshiba SDK2	Toshiba V3	Xerox Network Accounting	Xerox Secure Access EIP 1.0+	Xerox Secure Access EIP 1.5+	Xerox (Secure Access EIP 1.5+) Print Only		
Extra Licensing Requirements Additional license/module may be required from the MFP vendor. Contact vendor for pricing is applicable.	No	Yes Sharp OSA	Yes Sharp OSA	No	Yes - eCP (eConnect Platform)	No	No	Yes - Network Accounting / JBA module	Yes - Network Accounting / JBA module	Yes - Network Accounting / JBA module	Yes - Network Accounting / JBA module		
Assisted setup Some devices may require installation assistance from trained/certified copier technician (e.g. service code setting changes)	No	No	No	Device dependent (RAM or firmware upgrade)	No	Yes	Yes	Yes	Yes	Yes	Yes		
Security rating (out of 5) Devices that do not follow best practice security and/or have known security issues such as lost data on power failure score low here. E.g. scores lower than 4 may not be appropriate for secure student environments. Scores based on security reviews.	4	4	4	4	4.5	4	4	3	4	4 (EIP 1.5 devices) 4.5 (EIP 2.0+ devices)	4 (EIP 1.5 devices) 4.5 (EIP 2.0+ devices)		
Install Time (minutes) Expected install and post install testing time for a technician experienced with both PaperCut and copier/hardware platform.	30	30	30	45	30	50	15	45	45	40	40		
Supported server operating systems PaperCut is full a cross-platform product and aims to support all hardware/software options in any combination. This lists the server OS's that are compatible with the solution.	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell	Windows, Linux, Mac and Novell		
All character sets supported Determines whether device can support non-English/Latin characters. E.g. Chinese, Japanese, Korean, etc.	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No (Latin characters only)	No (Latin characters only)	No (Latin characters only)	No (Latin characters only)		



Hardware	VCC Controller	Cartadis cPad	Cartadis CopiCode	Fast Release
Supported related brands (re-label & OEM)				
The embedded solution has been confirmed to work on the				
following re-labeled or OEM devices.				
Solution Type	Hardware	Hardware	Hardware	Hardware
Details on the type of integration method used by the solution:				
Embedded : Code running on the device at firmware level. Onboard : Code interacting with the device via web services.				
Hardware: Device interaction via externally connected hardware.				
<i>Hybrid:</i> Code is a combination of other solution types (embedded,				
onboard, middleware). Zero Stop	Yes	Yes	Yes	N/A
Where possible, PaperCut MF will make use of a copier's ability to				
stop jobs while in progress when a user runs out of credit,				
reducing cost overruns.				
Restrict color copying	No	Yes	Yes	N/A
In many organizations it is desirable to limit users or groups of users to monochrome copying only.				
Enforced login workflow (e.g. account selection)	Yes	Yes	Yes	N/A
PaperCut MF can bring the common printing workflows to off-the-				
glass copying, allowing costs to be associated with departmental				
accounts rather than just a user.	Yes	Yes	Yes	N/A
Shared account selection from list Many organizations use named shared accounts. Where possible	Tes	Tes	Tes	N/A
devices should offer the ability to select accounts from a visible				
list bypassing the need to use account codes.				
Shared account keyword search	No	Yes	Yes	N/A
Expanding on the shared account selection from a list, the ideal				
interface should allow users to search accounts by keywords. This makes handling of 10,000 matters/projects easy.				
Share account selection by Code/PIN	Yes	Yes	Yes	N/A
Selecting an account from a list or by search is preferred by most				
users, however some devices have constrained interfaces and selecting an account by a code (e.g. numeric number) may be				
more convenient.				
Customizable logos / colors	No	Yes (with assistance from	No	N/A
If an organization already has a corporate style or branding in		cPad distributor)		
place, why not go the extra step and implement this on their copier login screens?				
Track Faxing	No	No	No	N/A
Many devices include functionality for sending Faxes.	-	-	-	,
Organizations may want to account for these events and where				
possible PaperCut MF will allow for tracking of these to the user.	No	Dependent on cottings of	No	NI/A
Track USB printing Newer devices are now giving users the ability to print resources	No	Dependent on settings of MFD	No	N/A
stored on removable media such as USB drives. Where available				
PaperCut MF will allow for tracking of these print jobs to the user.				
Track Scanning (e.g. to email or USB memory stick)	No	No	No	N/A
With many organizations implementing green practices it is becoming more common for users to scan a document to an				
electronic format rather than make another paper copy. Where				
possible PaperCut MF can track these scans to the user.				
Auto-populate email when Scanning (From address)	No	No	No	N/A
Auto-populate email when Scanning (To address)	No	No	No	N/A
Fine grained system access control	N/A	N/A	N/A	N/A
Multi-function devices often have the capability of faxing and				
scanning. Organizations may want to allow free faxing and scanning. In this case the device can often be configured to allow				
access to functions without login.				
Secure Print Release / Find-me	Yes	Yes	Yes	Yes
After a user authenticates at a device, they should be able to				
release jobs from a hold-release queue or a global virtual find-me				
printing queue.				1



Hardware	VCC Controller	Cartadis cPad	Cartadis CopiCode	Fast Release
Release all jobs on login Short cutting the process of selecting jobs held in the release queue by simply allowing all print jobs to be automatically released on login/authentication.	Yes	Yes	Yes	Yes
Release jobs selected from a list Displays a list of jobs that can be individually printed or cancelled.	Yes	Yes	Yes	No
User authentication at device options Ideal solutions may be configured to offer users a choice of authentication options. (e.g. if the user has left their card at home they can fall back to username/password login)				
Username and Password authentication	Yes (VCC Alpha only)	Yes	Yes	No
ID only authentication	Yes	Yes	Yes	No
ID + Pin authentication	Yes	Yes	Yes	No
Card only authentication	Yes	Yes	Yes	Yes
Card + Pin authentication	Yes	Yes	Yes	No
Self-association of Cards with existing user account	Yes	Yes	Yes	No
Define or set PIN on first use/login	Yes	Yes	Yes	No
	Reader is built-in to device.	See vendor documentation	See vendor documentation	Network card readers from
Supported Card Readers Many organizations already have existing card systems on-site ranging from magstripe through to RFID and Proximity. Where possible a choice of card reader should be offered so you can leverage existing cards for off-the-glass copying authentication.	See vendor documentation.			Elatec, RFIdeas. See Fast Release docs
Swipe to log out	No	No	No	No
Allows users to use their swipe cards to log out of the device. Offline mode	N/A	N/A	N/A	N/A
Enables the device to continue to be used when the PaperCut server is unavailable. Options include: Platform : Offline access is provided by the device platform. Offline activity is not tracked. PaperCut : Offline access is provided by the application. Offline activity is tracked. N/A : Offline access is not available.				
Extra Licensing Requirements	Device dependent	Device dependent	Device dependent	No
Additional license/module may be required from the MFP vendor. Contact vendor for pricing is applicable.				
Assisted setup Some devices may require installation assistance from trained/certified copier technician (e.g. service code setting changes)	Yes	Yes	Yes	No
Security rating (out of 5) Devices that do not follow best practice security and/or have known security issues such as lost data on power failure score low here. E.g. scores lower than 4 may not be appropriate for secure student environments. Scores based on security reviews.	5	5	5	4
Install Time (minutes) Expected install and post install testing time for a technician experienced with both PaperCut and copier/hardware platform.	Device dependent	Device dependent	Device dependent	30
Supported server operating systems PaperCut is full a cross-platform product and aims to support all hardware/software options in any combination. This lists the server OS's that are compatible with the solution.	Windows, Linux, Mac and Novell			
All character sets supported	No (Latin characters only)			

