

	CF2002/3102	C350	C450	C450P	C351	C250/252/352	C250P/252P/352P	C300	8050/C500	PRO C6500	C550/451/650	C353/253/203	C200	C652/552/452	C360/280/220	C652DS/552DS	C35 Step2	C754/654	C364/284/224	C554/454	
<b>I. Security from public telephone line</b>																					
1. Security with FAX line			Yes	-	Yes	Yes	-	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
2. Security with line used for remote diagnosis device	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>II. Security with LAN connection</b>																					
1. Security with Network protocol	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1	Yes *1			Yes *1	Yes *1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
2. User authentication		Yes	Yes		Yes	Yes		Yes		Yes	Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>3. Security of device control from network</b>																					
(1) Security on address book data from network	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
(2) bizhub OpenAPI			Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
4. Encryption of data communication		Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes*5	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
5. Quarantine Network Support											Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
6. Action against virus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
7. Protection against virus from USB memory	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>III. Security of data stored in MFP</b>																					
1. Security on image processing and printing	Yes*2	Yes*2	Yes*3	Yes*3	Yes*3	Yes*3	Yes*3	Yes*3			Yes*3	Yes*3	Yes*6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
<b>2. User authentication</b>																					
(1) Authentication function by external server and device		Yes	Yes		Yes	Yes		Yes		Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
(2) Management of upper limitation of copy/print per user	Yes	Yes			Yes	Yes		Yes		Yes	Yes	Yes	Yes*7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
(3) Management of authentication and upper limitation by color and B/W	Yes	Yes			Yes	Yes		Yes		Yes	Yes	Yes	Yes*7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
3. Box security	Yes	Yes	Yes	-	Yes	Yes	-	Yes		Yes	Yes	Yes	-	Yes	Yes	Yes		Yes	Yes	Yes	
4. Complete data deletion when discarding HDD		Yes	Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
5. Protection of data in HDD by password and encryption			Yes*3,4	Yes*3,4	Yes*3,4	Yes*3,4	Yes*3,4	Yes*3,4			Yes*3	Yes*3	-	Yes	Yes	Yes	Yes*13	Yes	Yes	Yes	
6. Access management by audit log										Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
7. Encryption of data in PDF file			Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
8. Encryption of the data in e-mail											Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
9. Digital signature on the e-mail											Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	
10. Scan to Me, Scan to Home & Scan to Authorized Folder														Yes	Yes	Yes		Yes	Yes	Yes	
11. Overwrite to delete the temporary data (HDD data).			Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes		Yes	Yes	Yes		Yes	Yes	Yes	
12. Adoption of the Encrypted modules which received authorization														Yes	Yes	Yes		Yes	Yes	Yes	
<b>IV. Security of output data</b>																					
<b>1. Copy Security Function</b>																					
(1) Copy Protect Function						Yes	-	Yes		Yes	Yes	Yes		Yes	Yes	Yes		Yes	Yes	Yes	
(2) Copy Guard Function/Password Copy Function														Yes*8	Yes	Yes		Yes	Yes	Yes	
<b>V. Authentication Devices</b>																					
<b>1. Security of the data for the biometric authentication device</b>																					
2. ID & Print (Secured printing by "One Touch")											Yes *5	Yes *5		Yes	Yes	Yes					
<b>VI. Extended functions in cooperation with PageACSES</b>																					
1. Scan with authentication																					
2. Print with authentication		Yes *4	Yes *4	Yes *4	Yes *4	Yes *4	Yes *4	Yes *4			Yes	Yes		Yes	Yes	Yes					
3. Access control per file																					
<b>VII. PKI Card authentication System</b>																					
1. The login that PKI Card is used											Yes(*12)			Yes(*12)	Yes(*12)				Yes	Yes	Yes
2. LDAP Search that PKI Card is used											Yes(*12)			Yes(*12)	Yes(*12)				Yes	Yes	Yes
3. SMB sender that PKI Card is used											Yes(*12)			Yes(*12)	Yes(*12)				Yes	Yes	Yes
4. E-mail sender(S/MIME) that PKI Card is used											Yes(*12)			Yes(*12)	Yes(*12)				Yes	Yes	Yes
5. PKI Card Print											Yes(*12)			Yes(*12)	Yes(*12)				Yes	Yes	Yes
6. Scan To Me/Scan To Home											Yes(*12)			Yes(*12)	Yes(*12)				Yes	Yes	Yes
<b>VIII. Security about MFP self-protection</b>																					
1. Verify Function for Firmware																			Yes	Yes	Yes

(Reference)

HDD encryption Algorithm (ASE 128bits)			Yes	Yes	Yes	Yes	Yes	Yes			Yes	Yes		Yes	Yes	Yes		Yes	Yes	Yes
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\*1: partially supported

\*2: "Encryption function of data in HDD" is not supported. Data proceeded by Scan to HDD is compressed by general format.

Only management data is deleted when job data is output or transferred, and the data itself is not deleted.

\*3: Only when equipped with Security Kit

\*4: Data encryption in HDD and supporting PageACSES is since phase1.8

\*5: IPSEC, IPv6 not supported

\*6: HDD not supported

\*7: Possible through Account Track function

\*8: C652/552 - FE-1 and later.

\*12: Support by Solution ROM

\*13: Property for protection in HDD(Image Data and Authentication Data is encrypted).

(B/W MFP)	D2510/3010/2510	7222/7228/7235	7322	7145/ D451	7255	7272	1050	180/161/1611/162/180/210/183/181/211/220	200/250/350/363/383/222	360/420/500	501/421/361	600/750	PRO 920	751/601	423/363/283/223	652/602/552/502	bizhub 42/36	
<b>I. Security from public telephone line</b>																		
1. Security with FAX line	Yes	Yes	Yes	Yes	Yes			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2. Security with line used for remote diagnosis device	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>II. Security with LAN connection</b>																		
1. Security with Network protocol		Yes	Yes	Yes	Yes	Yes	Yes		Yes #1	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2. User authentication	Yes	Yes	Yes	Yes	Yes		Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3. Security of device control from network																		
(1) Security on address book data from network	Yes						Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(2) bizhub OpenAPI								Yes #5	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4. Encryption of data communication																		
5. Quarantine Network Support							Yes	Yes #7	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
6. Action against virus																		
7. Protection against virus from USB memory	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>III. Security of data stored in MFP</b>																		
1. Security on image processing and printing																		
2. User authentication	Yes #2	Yes	Yes	Yes	Yes		Yes		Yes	Yes	Yes #8	Yes #8		Yes #8	Yes	Yes	Yes	Yes
3. Box security																		
4. Complete data deletion when discarding HDD	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
5. Protection of data in HDD by password and encryption																		
6. Access management by audit log		Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes #8	Yes #8		Yes #8	Yes	Yes	Yes	Yes	Yes #13
7. Encryption of data in PDF file																		
8. Encryption of the data in e-mail																		
9. Digital signature on the e-mail																		
10. Scan to Me, Scan to Home & Scan to Authorized Folder																		
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4. E-mail sender(S/MIME) that PKI Card is used																		
5. PKI Card Print																		
6. Scan To Me/Scan To Home																		

(Reference)																			
HDD encryption Algorithm (ASE 128bits)																		Yes	

- \*1: partially supported
- \*2: "Encryption function of data in HDD" is not supported. Data processed by Scan to HDD is compressed by general format.  
Only management data is deleted when job data is output or transferred, and the data itself is not deleted.
- \*3: "Limitation per user" is not supported.
- \*4: D451 does not support.
- \*5: SSL supported.
- \*6: Phase 4 does not support.
- \*7: IPsec, IPv6 not supported.
- \*8: HDD data is encrypted only when Security Kit option is equipped.
- \*9: FE-1 and later.
- \*10: Initial FW supports ID & Print only when AU-101 is used.
- \*11: Only supported with AU-101.
- \*12: Support by Solution ROM
- \*13: Property for protection in HDD (Image Data and Authentication Data is encrypted).