

GRUPPO TELECOM ITALIA TIM

Smart Enterprise

Bitdefender Antivirus on:

d-COLOR MF259

d-COLOR MF309

d-COLOR MF369

d-COLOR MF3303

d-COLOR MF3302

d-COLOR MF4003





- Virus scan engine embedded in MFP FW;
- Enabled by i-Option LK-116 (random code B3835);
- Prevent Distribution of Virus/Malware via MFP.



Virus scan - roles

Detect virus in the office

after reception

In MFP

Notify when MFP received virus influenced files



before transmission`

Prevent diffusion of virus/malware file to outside

Check output files before sending to outside

Detect hidden risk in MFP

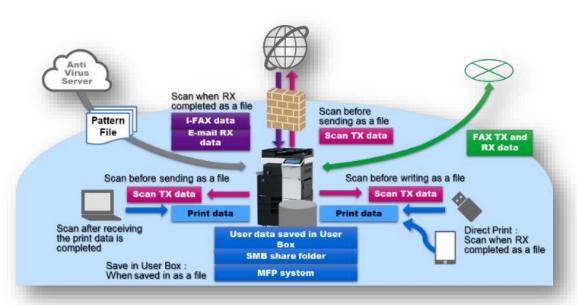
Periodically check saved files in MFP to detect virus/malware files





Bitdefender - Virus SCAN ENGINE in MFP





1 Real time

Virus Scanning jobs Print data, Scan-TX data, i-FAX TX/RX data Manual scan

Virus Scanning on HDD (User box, SMB folders, MFP system) Scheduled scan

Periodic Scan on HDD (User box, SMB folders, MFP system)



What is scanned?

Input

- PC printing
- Direct printing
- E-mails received
- I-faxes received
- IP address faxes received
- USB data printing
- USB data stored in Box
- Encrypted PDF Box files
- OpenAPI application
- Serverless ubiquitous prints
- Imported data (CSV/XML)



Output

- Scan To PC
- Scan To Cloud
- Scan To USB
- I-faxes sent
- IP address faxes sent

Other

- SMB shared folder: Added files/virus scan performed upon opening
- Device certificates, S/MIME certificates: Virus scan performed upon installation
- Fonts: virus scan performed upon installation



Virus scan engine in MFP

- ✓ Implemented customized virus scan engine into MFP;
- ✓ Updating Virus scan engine is done by updating FW, if necessary;
- ✓ Virus pattern file is updated by accessing Cybertrust server (cloud)
 - Check every 4 hours whether new pattern file is available
 - FW is downloading the pattern file as background job



Caution screen

Shows when detecting a virus





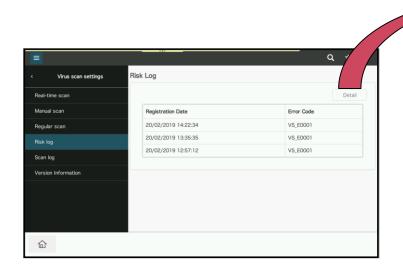
Attention Message

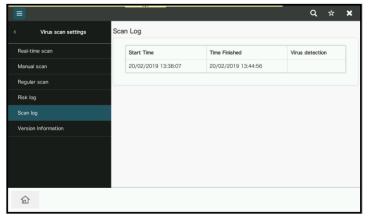
Remains displayed until Admin confirm the "Risk Log"

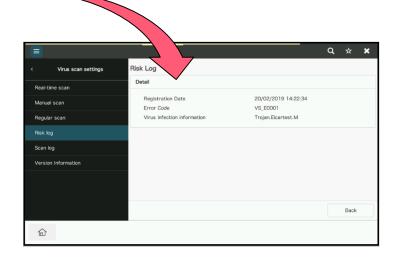


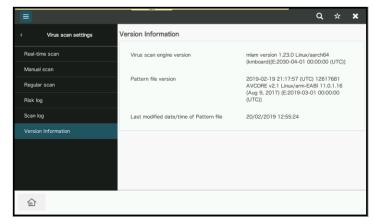


Virus Scan Settings



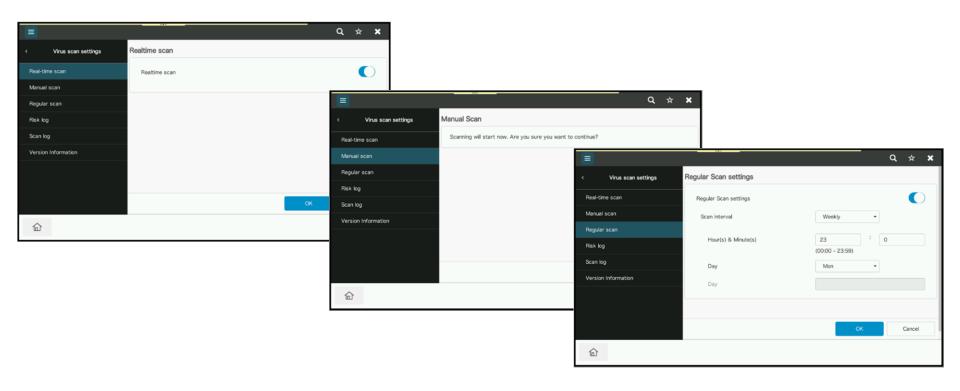








Virus Scan Settings





Virus detected!!



