

Identify and Analyze a Device

IoT Device: HP OfficeJet 3830 All-In-One Photo Printer

source: https://www.amazon.com/HP-OfficeJet-Wireless-Replenishment-K7V40A/dp/B013SKI4EM/ref=sr_1_3?ie=UTF8&qid=1546273939&sr=8-3&keywords=hp+officejet+3830

Non-IoT Version: HP OfficeJet 5510 All-In-One Printer

source: Twenty Years of Innovation: HP LaserJet and InkJet Printers 1984-2004 May 24, 2004

<http://www.hpmuseum.net/document.php?catfile=15>

Note: All \$ Reported in 2018 Dollars <https://www.officialdata.org/1800-dollars-in-2018>

	HP 3830		HP 5510	
List Price	\$	99	\$	545
Print,Copy,Scan,Fax	Yes		Yes	
Ink: 1 B/W, 1 Tri-Color Cartridge	Yes		Yes	
Max Input Tray Sheets		35		80
Max PPM		20		22
B/W Cartridge Refill Price	\$	24	\$	30
Estimated Cost per sheet	\$	0.13	\$	0.07
Tri-Color Refill Price	\$	39	\$	45
Estimated Cost per sheet	\$	0.24	\$	0.12
Max Pages B/W		190		450
Max Pages Color		165		390

IoT Features Specific to HP 3830

1. Print from anywhere with internet connection
2. Ink Replacement Service: Printer will order replacement cartridges from Amazon when low ink is detected.
3. HP Instant Ink service: Pay per page printed and replacement cartridges ordered from Amazon when low ink is detected.

Features Diminished in the new HP 3830 Device are in red font. These are:

1. Higher ink cost per sheet for both color and b/w.
2. Lower maximum pages printed per ink cartridge.

Improved features are:

- Lower purchase price.
- Lower replacement cost per ink cartridge.
- Wireless connectivity to pc or mobile device.