



CENTRUL TEHNIC PENTRU SECURITATE  
INDUSTRIALĂ ȘI CERTIFICARE SRL

## CERTIFICAT DE CONFORMITATE

Nr. de înregistrare **OCP<sub>GSP</sub> MD 015 13C 46067 - 18**

Data emiterii **23 noiembrie 2018** Valabil pînă la **23 noiembrie 2019**

### ORGANISMUL DE CERTIFICARE

A PRODUSELOR CU GRAD SPORIT DE PERICOL din cadrul  
IS "Centrul Tehnic pentru Securitate Industrială și Certificare"

MD-2004, or. Chișinău, str. S. Lazo, 48, tel. 208152, tel/fax: 208184

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL CĂ PRODUSELE IDENTIFICATE ASTFEL:

**DENUMIREA/DESCRIEREA** Imprimante, Scanere, MFU,  
marca comercială "Hewlett Packard"

**Codul NC MD**  
8443

livrarea conform contractului Nr. 2070/98656 din 16.10.2017; modelele:  
"DeskJet..., DeskJet Ink..., Advantage..., Business InkJet..., LaserJet Enterprise...,  
LaserJet Pro..., Color LaserJet..., PhotoSmart..., DesignJet..., OfficeJet..., OfficeJet Pro...";  
păstrarea - depozitul firmei: (mun. Chișinău, str. I. Creangă 6/V)

**SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN**

SM SR EN 60950-1:2010 p. 1.5-1.7, 2.1, 2.6-2.10, 3.1-3.5, 4.1, 4.3, 4.4, 4.6, 5.1,  
5.2.

**PRODUCĂTOR** "HAWLETT PACKARD", China  
țara de origine - Vietnam, Polonia

**Codul țării**

**CLIENT** "Ultra-Distribution" SRL

**Codul IDNO**  
1012600027403

MD-2069, mun. Chișinău, str. I. Creangă 6/V  
tel.: 022-87-01-25

**CERTIFICATUL ESTE ELIBERAT ÎN BAZA**

Raportului de încercări Nr. 7819/02/18 din 20.11.2018,

LI "CERTIFICARE" SRL, certif. de acreditare Nr. LI-076

Raportului de identificare a produselor Nr. 10/0948 din 19.11.2018.

Raportului de evaluare Nr. 10b/255-ev din 22.11.2018.

**INFORMAȚIE SUPLIMENTARĂ** Este stabilită 1 supraveghere cu identificarea de către  
OC PGSP (10) a fiecărui lot de produse importate

Schema de tip 2.

Produsele date se comercializează numai în prezența informației în limba de stat.

Seria C nr. 004371



Producătorul  
organismului de certificare

*N. Manolov* N. Manolov

**În atenția antreprenorilor și organelor de control!**  
**Copiile certificatului de conformitate se legalizează în modul stabilit de**  
**Organismul de Certificare a Produselor cu Grad Sporit de Pericol**





CENTRUL TEHNIC PENTRU SECURITATE  
INDUSTRIALĂ ȘI CERTIFICARE SRL

## CERTIFICAT DE CONFORMITATE

Nr. de înregistrare **OCP<sub>GSP</sub> MD 015 13C 45896 - 18**

Data emiterii **23 octombrie 2018** Valabil până la **23 octombrie 2019**

### ORGANISMUL DE CERTIFICARE

A PRODUSELOR CU GRAD SPORT DE PERICOL din cadrul  
IS "Centrul Tehnic pentru Securitate Industrială și Certificare"  
MD-2004, or.Chîșinău, str.S.Lazo,48, tel.208152, tel/fax:208184

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL CĂ PRODUSELE IDENTIFICATE ASTFEL:

**DENUMIREA/DESCRIEREA** Imprimante, scanere și aparate  
multifuncționale, marca comercială "CANON";

**Codul NC MD**  
8443

livrarea conform contractului Nr.579813/17082016 din 17.08.2016;  
tipurile, articole - conform anexei (3 poziții);  
păstrarea - depozitul firmei: (mun.Chîșinău, str.I.Creangă 6/V)

### SÎNT CONFORME CU CERINTELE OBLIGATORII STABILITE ÎN

SM SR EN 60950-1:2010 p.1.5-1.7, 2.1, 2.6-2.10, 3.1-3.5, 4.1, 4.3, 4.4, 4.6, 5.1,  
5.2.

**PRODUCĂTOR** "CANON INCORPORATION", Viena, Austria  
furnizor: "Canon CEE GmbH", Austria

**Codul țării**  
AT

**CLIENT** "Ultra-Distribution" SRL

**Codul IDNO**  
1012600027403

MD-2069, mun.Chîșinău, str.I.Creangă 6/V  
tel.: 022-87-01-25

### CERTIFICATUL ESTE ELIBERAT ÎN BAZA

Raportului de încercări Nr.7724/02/18 din 22.10.2018,  
LI "CERTIFICARE" SRL, certif. de acreditare Nr.LI-076  
Raportului de identificare a produselor Nr.10/0745 din 17.10.2018.  
Raportului de evaluare Nr.10b/201-ev din 22.10.2018.

**INFORMAȚIE SUPLIMENTARĂ** Este stabilită 1 supraveghere cu identificarea de către  
OC PGSP (10) a fiecărui lot de produse importate

Schema de tip 2.

Produsele date se comercializează numai în prezența informației în limba de stat.

Certificatul este valabil numai în prezența anexei la certificatul dat.

Seria C nr. **004327**



Conducătorul  
organismului de certificare

*W. Manolov*  
N. Manolov



**În atenția antreprenorilor și organelor de control!**  
**Copiile certificatului de conformitate se legalizează în modul stabilit.**  
**Organismul de Certificare a Produselor cu Grad Sport de Pericol**



Второй раздел посвящен описанию архивных документов, их структуре и содержанию. В этом разделе приводятся примеры документов и их копии.

В третьем разделе описаны различные типы документов, встречающиеся в архивах. К ним относятся акты, протоколы, отчеты, письма и т.д.

В четвертом разделе описаны методы работы с архивными документами.

В пятом разделе описаны методы хранения и защиты архивных документов.

В шестом разделе описаны методы реставрации архивных документов.

В седьмом разделе описаны методы изучения архивных документов.

В восьмом разделе описаны методы публикации архивных документов.

В девятом разделе описаны методы работы с архивными документами в условиях автоматизации.

В десятом разделе описаны методы работы с архивными документами в условиях информатизации.

В одиннадцатом разделе описаны методы работы с архивными документами в условиях цифровизации.

В двенадцатом разделе описаны методы работы с архивными документами в условиях интеграции.

В тринадцатом разделе описаны методы работы с архивными документами в условиях глобализации.

**CENTRUL TEHNIC PENTRU SECURITATE  
INDUSTRIALĂ ȘI CERTIFICARE SRL**

**Anexă**

Fila **1** File **1** la **certificatul de conformitate**  
 Nr. **OCP<sub>GSP</sub> MD 015 13C 45896-18** din **22.10.2018**  
**Lista produselor concrete**  
 asupra cărora se extinde acțiunea certificatului de conformitate

Nr.	Tipurile produsului	Tipul / Articol
1	Imprimante de marca comercială Canon	i-SENSYS LBP, LBP, MAXIFY, iP, iX, PIXMA iP, PIXMA iX, PIXMA Pro, Image PROGRAF iP,
2	Aparate multifuncționale de marca comercială Canon	PIXMA, imagePRESS, VarioPrint, iR, iRAC, i-SENSYS FAX, i-SENSYS MF, iRC, LaserBase MF
3	Scanere de marca comercială Canon	Lide; S; DR; CS; M; ColorTrac; ScanFront, SmartLF SC,

Seria C nr. **001791**



Conducătorul organismului de certificare

*W. Mavrodin* N. Mavrodin S.R.L.



*Anexa nu este valabilă în lipsa certificatului de conformitate*





CENTRUL TEHNIC PENTRU SECURITATE  
INDUSTRIALĂ ȘI CERTIFICARE SRL

## CERTIFICAT DE CONFORMITATE

Nr. de înregistrare **OCP<sub>GSP</sub> MD 015 13C 46360 - 19**

Data emiterii **13 februarie 2019** Valabil pînă la **13 februarie 2020**

### ORGANISMUL DE CERTIFICARE

A PRODUSELOR CU GRAD SPORIT DE PERICOL din cadrul  
IS "Centrul Tehnic pentru Securitate Industrială și Certificare"  
MD-2004, or. Chișinău, str. S. Lazo, 48, tel. 208152, tel/fax: 208184

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL CĂ PRODUSELE IDENTIFICATE ASTFEL:

**DENUMIREA/DESCRIEREA** Computere portative (notebooks,  
tablete),  
marca comercială "LENOVO"

**Codul NC MD**  
8471

livrarea conform contractului Nr. LBP5-0020-04 din 28.05.2016;  
modelele - conform anexei (3 poziții),  
păstrarea - depozitul firmei: (mun. Chișinău, str. I. Creangă 6/V)

**SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN**  
SM SR EN 60950-1:2010 p. 1.5-1.7, 2.1, 2.6-2.10, 3.1-3.5, 4.1, 4.3,  
4.4, 4.6, 5.1, 5.2.

**PRODUCĂTOR** "LENOVO PC HK LTD", Hong Kong  
țara de origine - China

**Codul țării**  
CN

**CLIENT** "Ultra-Distribution" SRL

**Codul IDNO**  
1012600027403

MD-2069, mun. Chișinău, str. I. Creangă 6/V  
tel.: 022-87-01-25

### CERTIFICATUL ESTE ELIBERAT ÎN BAZA

Raportului de încercări Nr. 7954/02/19 din 12.02.2019,  
LI "CERTIFICARE" SRL, certif. de acreditare Nr. LI-076  
Raportului de identificare a produselor Nr. 10/0067 din 01.02.2019.  
Raportului de evaluare Nr. 10b/028-ev din 13.02.2019.

**INFORMAȚIE SUPLIMENTARĂ** Este stabilită 1 supraveghere cu identificarea de către  
OC PGSP (10) a fiecărui lot de produse importate

Schema de tip 2.

Produsele date se comercializează numai în prezența informației în limba de stat.

Certificatul este valabil numai în prezența anexei la certificatul dat.

Seria C nr. **004490**



Conducătorul  
organismului de certificare

*W. Manolov* N. Manolov



**În atenția antreprenorilor și organelor de control!**  
**Copiile certificatului de conformitate se legalizează în modul stabilit de**  
**Organismul de Certificare a Produselor cu Grad Sporit de Pericol**





CENTRUL TEHNIC PENTRU SECURITATE  
INDUSTRIALĂ ȘI CERTIFICARE SRL

**Anexă**

Fila 1 File 1

la certificatul de conformitate

Nr. OCP<sub>GSP</sub> MD 015 13C 46360-19

din 13.02.2019

Lista produselor concrete  
asupra cărora se extinde acțiunea certificatului de conformitate

Nr.	Denumirea produsului	Modelele
1	Computer	ThinkCentre IdeaCentre
2	Notebook	IdeaPAD YOGA Legion V330 ThinkPad V510
3	Tabletă	Tab2 Tab3 Yoga 3, 8 Yoga 3,10 Tab4 Tab E 7 Tab E 10

Seria C nr. 001854



Conducătorul  
organismului de certificare

*W. Ilieș*



*Anexa nu este valabilă în lipsa certificatului de conformitate*





Î.S. „Centrul de Metrologie Aplicată și Certificare”



SM SR EN ISO/CEI 17065  
OCpr-001

# CERTIFICAT DE CONFORMITATE

Nr. de înregistrare OCpr - 001 11 A017410-17

Data emiterii 22 decembrie 2017

Valabil pînă 21 decembrie 2019

ORGANISMUL DE CERTIFICARE OCpr - 001

ORGANISMUL DE CERTIFICARE PRODUSE (OCP) din cadrul Î.S. "Centrul de Metrologie Aplicată și Certificare" (Î.S. CMAC). Adresa juridică: șos. Muncești, 162a, MD 2002, mun. Chișinău; Adresa fizică: str. E. Coca, 28, MD 2064, mun. Chișinău; tel.: 022 719279, 022 750463; fax: 022 745489.

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL, CĂ PRODUSELE IDENTIFICATE ASTFEL: DENUMIREA / DESCRIEREA

Bloc de sistem, marca comercială "NAVIGATOR", pentru computere personale.  
Fabricare în serie conform SF-40057151-001:2010.

Codul NCM  
8471

SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN :  
SM SR EN 60950-1:2010 (p.p.1.5-1.7, 2.1, 2.6-2.10, 3.1-3.5, 4.1-4.4, 4.6.1, 5.1, 5.2).

PRODUCĂTOR

"ULTRASERVICE" S.R.L., str. Ion Creangă, 6/V, mun. Chișinău, MD-2069,  
Republica Moldova.

Codul țării  
MD

SOLICITANT

Producătorul.

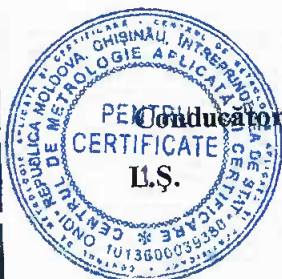
Codul IDNO  
1008600059825

CERTIFICATUL ESTE ELIBERAT ÎN BAZA

Raport de evaluare final Nr. 4655-RE din 22.12.2017, eliberat de OCP din cadrul Î.S. CMAC, str. E. Coca, 28, mun. Chișinău, MD 2064, certificat de acreditare Nr. OCpr - 001 din 09.09.2014.  
Raport de încercări Nr. 07/12 din 21.12.2017, eliberat de LÎPI din cadrul Î.S. CMAC, MD 2064, mun. Chișinău, str. E. Coca, 28, certificat de acreditare Nr. LÎ- 093 din 06.01.2015.

INFORMAȚIE SUPLIMENTARĂ:

Schema de certificare 3. Supravegherea se va efectua una dată pe an de către OCP din cadrul Î.S. CMAC.  
Certificatul este valabil doar în cazul asigurării cu informație în limba de stat a fiecărei unități de produs conform legislației în vigoare. Acord Nr. 4594/2017 din 22.12.2017. Dosar Nr. 2582.



Conducătorul organismului de certificare

Î.S.

Expert

Cbr







CENTRUL TEHNIC PENTRU SECURITATE  
INDUSTRIALĂ ȘI CERTIFICARE SRL

## CERTIFICAT DE CONFORMITATE

Nr. de înregistrare **OCP<sub>GSP</sub> MD 015 13C 45894 - 18**

Data emiterii **23 octombrie 2018** Valabil până la **23 octombrie 2019**

### ORGANISMUL DE CERTIFICARE

A PRODUSELOR CU GRAD SPORT DE PERICOL din cadrul  
IS "Centrul Tehnic pentru Securitate Industrială și Certificare"  
MD-2004, or.Chîșinău, str.S.Lazo,48, tel.208152, tel/fax:208184

PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL CĂ PRODUSELE IDENTIFICATE ASTFEL:

**DENUMIREA/DESCRIEREA** Proiectoare și monitoare,  
marca comercială "BenQ";

**Codul NC MD**  
**8528**

livrarea conform contractelor: Nr.9000445, 9000446 din  
27.11.2016;

proiectoare, modelele: "GP, MP, MX, MS, MW, SP, SH, W, LW, LX, TS, MH, TH";

monitoare, modelele: "BL, DL, EW, G, GC, GL, GW, PG, PD, RL, VL, VW, XL,  
SL, IL, P, T, TL, FP, E"

păstrarea - depozitul firmei: (mun.Chîșinău, str.I.Creangă 6/V)

**SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN**

SM SR EN 60950-1:2010 p.1.5-1.7, 2.1, 2.6-2.10, 3.1-3.5, 4.1, 4.3, 4.4, 4.6, 5.1,  
5.2.

**PRODUCĂTOR** "BenQ Corporation", Viena, Austria  
furnizor: "BenQ Austria GmbH", Viena Austria

**Codul țării**  
**AT**

**CLIENT** "Ultra-Distribution" SRL

**Codul IDNO**  
**1012600027403**

MD-2069, mun.Chîșinău, str.I.Creangă 6/V

tel.: 022-87-01-25

**CERTIFICATUL ESTE ELIBERAT ÎN BAZA**

Raportului de încercări Nr.7722/02/18 din 19.10.2018,

L1 "CERTIFICARE" SRL, certif. de acreditare Nr.LI-076

Raportului de identificare a produselor Nr.10/0743 din 17.10.2018.

Raportului de evaluare Nr.10b/203-ev din 22.10.2018.

**INFORMAȚIE SUPLIMENTARĂ** Este stabilită 1 supraveghere cu identificarea de către  
OC PGSP (10) a fiecărui lot de produse importate

Schema de tip 2.

Produsele date se comercializează numai în prezența informației în limba de stat.

Seria C nr. **004328**



Conducătorul  
organismului de certificare

*N. Manolov*



**În atenția antreprenorilor și organelor de control!**  
**Copile certificatului de conformitate se legalizează în modul stabilit de**  
**Organismul de Certificare a Produselor cu Grad Sport de Pericol**





CENTRUL TEHNIC PENTRU SECURITATE  
INDUSTRIALĂ ȘI CERTIFICARE SRL

## CERTIFICAT DE CONFORMITATE

Nr. de înregistrare **OCP<sub>GSP</sub> MD 015 13C 45694 - 18**

Data emiterii **13 septembrie 2018** Valabil până la **13 septembrie 2019**

**ORGANISMUL DE CERTIFICARE A PRODUSELOR CU GRAD SPORIT DE PERICOL**  
din cadrul "Centrul Tehnic pentru Securitate Industrială și Certificare" SRL  
certificat de acreditare OCpr - 015 MD-2004, or. Chișinău, str. S. Lazo, 48,  
tel.: 208152, tel./fax : 022 208184

**PRIN PREZENTUL DOCUMENT SE CONFIRMĂ FAPTUL CĂ PRODUSELE IDENTIFICATE ASTFEL:**  
**DENUMIREA/DESCRIEREA** Televizoare, monitoare  
marca comercială "Philips";

**Codul NC MD**  
**8528**

livrarea conform contractului nr. UD-201801220 din 22.01.2018;  
televizoare, modelele: "19 - 84";  
monitoare, modelele: "17 - 65"

păstrarea - depozitul firmei (mun. Chișinău, str. I. Creangă 6/V)  
**SÎNT CONFORME CU CERINȚELE OBLIGATORII STABILITE ÎN**  
SM EN 60065:2015 cap. 5, 8-9, 10.3, 12-17, 19.

**PRODUCĂTOR** "PHILIPS CORPORATION", China  
filialele - Polonia

**Codul țării**  
**CN**

**CLIENT** "Ultra-Distribution" SRL

**Codul IDNO**  
**1012600027403**

MD-2069, mun. Chișinău, str. I. Creangă 6/V  
tel.: 022-87-01-25

**CERTIFICATUL ESTE ELIBERAT ÎN BAZA**

Raportului de încercări Nr. 7683/02/18 din 12.09.2018,

LI "CERTIFICARE" SRL, certif. de acreditare Nr. LI-076

Raportului de identificare a produselor Nr. 10/0621 din 10.09.2018.

Raportului de evaluare Nr. 10b/163-ev din 12.09.2018.

**INFORMAȚIE SUPLIMENTARĂ** Este stabilită 1 supraveghere cu identificarea de către  
OC PGSP (10) a fiecărui lot de produse importate

Schema de tip 2.

Produsele date se comercializează numai în prezența informației în limba de stat.

Seria C nr. **004233**



Conducătorul  
organismului de certificare

*W. Uscu*



**În atenția antreprenorilor și organelor de control!**  
**Copiile certificatului de conformitate se legalizează în modul stabilit**  
**Organismul de Certificare a Produselor cu Grad Sporit de Pericol**





# IdeaPad 330 (15") Intel Platform Specifications

Product Specifications Reference (PSREF)

Processor Intel® Celeron® Processor, Intel Pentium® Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel 3867U	2	2	1.8 GHz	-	2MB		Intel HD Graphics 610
Pen 4415U	2	2	2.3 GHz	-	2MB		Intel HD Graphics 610
i3-7100U	2	4	2.4 GHz	-	3MB	DDR4-2133	Intel HD Graphics 620
i3-7130U	2	4	2.7 GHz	-	3MB		Intel HD Graphics 620
i5-7200U	2	4	2.5 GHz	3.1 GHz	4MB		Intel HD Graphics 620
i7-7500U	2	4	2.7 GHz	3.5 GHz	4MB		Intel HD Graphics 620

15IKB: Intel® Celeron® Processor, Intel Pentium® Processor or 7th Generation Intel Core™ i3 / i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-7020U	2	4	2.3 GHz	-	3MB		Intel HD Graphics 620
i3-8130U	2	4	2.2 GHz	3.4 GHz	4MB	DDR4-2133	Intel UHD Graphics 620
i5-8250U	4	8	1.6 GHz	3.4 GHz	6MB		Intel UHD Graphics 620
i7-8550U	4	8	1.8 GHz	4.0 GHz	8MB		Intel UHD Graphics 620

15ICH: 8th Generation Intel Core i5 / i7 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i5-8300H	4	8	2.3 GHz	4.0 GHz	8MB	DDR4-2400	Intel UHD Graphics 630
i7-8750H	6	12	2.2 GHz	4.1 GHz	9MB	DDR4-2400	Intel UHD Graphics 630

15ICN: 8th Generation Intel Core i3 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
i3-8121U	2	4	2.2 GHz	3.2 GHz	4MB	DDR4-2400	Processor Graphics

15IGM: Intel Celeron® Processor, Intel Pentium Processor or 6th Generation Intel Core i3 Processor

Processor Number	# of Cores	# of Threads	Base Frequency	Max Turbo Frequency	Cache	Memory Types	Processor Graphics
Cel N4000	2	2	1.1 GHz	2.6 GHz			Intel UHD Graphics 600
Cel N4100	4	4	1.1 GHz	2.4 GHz	4MB	DDR4-2400	Intel UHD Graphics 605
Pen N5000	4	4	1.1 GHz	2.7 GHz			Intel UHD Graphics 605
i3-8068U	2	4	2.0 GHz	-	3MB	DDR4-2133	Intel HD Graphics 520

Graphics

15IKB: Intel HD Graphics 610 / 620 in processor only, Intel HD Graphics 610 / 620 in processor and AMD Radeon™ 530 (2GB or 4GB GDDR5 memory), or Intel HD Graphics 610 / 620 in processor and NVIDIA GeForce MX 110 / MX 130 (2GB GDDR5 memory) 15IKBR: Intel HD Graphics 620 or UHD Graphics 620 in processor only, Intel HD Graphics 620 or UHD Graphics 620 in processor and AMD Radeon 530 (2GB or 4GB GDDR5 memory), Intel HD Graphics 620 or UHD Graphics 620 in processor and NVIDIA GeForce MX 150 (2GB or 4GB GDDR5 memory) 15ICN: Intel UHD Graphics 630 and NVIDIA® GeForce® GTX 1050 (2GB or 4GB GDDR5 memory) 15ICN: AMD Radeon 540 (2GB GDDR5 memory) 15IGM: Intel HD Graphics 520, Intel UHD Graphics 600 or UHD Graphics 605 in processor only, Intel UHD Graphics 600 or AMD Radeon 530 (2GB GDDR5 memory) supports external digital monitor via HDMI: supports two independent displays: Max resolution: 1920x1080@60Hz (HDMI)

Chipset Intel HM370 chipset, others: Intel SOC (System on Chip) platform Memory 15IKB&IKBR: 16GB max / 2133MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket 15ICH: 16GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket 15ICN: 12GB max / 2400MHz DDR4, dual-channel capable, optional 4GB memory soldered to systemboard, one DDR4 SO-DIMM socket 15IGM: 8GB max / 2400MHz DDR4, one DDR4 SO-DIMM socket

Display Some: 15.6" (396mm) HD (1366x768), anti-glare or glossy, LED backlight, 200 nits, 16:9 aspect ratio Some: 15.6" (396mm) FHD (1920x1080), anti-glare, LED backlight, 200 nits, 16:9 aspect ratio Multi-touch (opt) On-cell touch, supports 10-finger multi-touch

Storage Some: HDD / SATA 6.0GB/s, 2.5" wide, 7mm high Some: SSD / SATA 6.0GB/s, 2.5" wide Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32GB/s Some: Intel Optane™ Memory, 16GB, M.2 DVD burner, 9.0mm high, fixed, tray-in Optical (optional) 10/100M or 100/1000M Ethernet connection Ethernet 10/100M or 100/1000M Ethernet connection WLAN One of the following, configurable by model: • 11ac, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card • 11ac, 2x2, Wi-Fi + Bluetooth combo adapter, M.2 Card Bluetooth™ Bluetooth 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Media reader 4-in-1 reader (MMC, SD, SDHC, SDXC) 15IGM: one USB 2.0, one USB 3.1 Gen 1 (USB 3.0), audio combo jack, security keyhole, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack, audio combo jack, Ethernet (RJ-45), HDMI 1.4a, AC power adapter jack, security keyhole

Dimensions WxDxH: 14.89" x 10.24" x 0.9", 378mm x 260mm x 22.9mm Weight 2.2 kg (4.85 lb) Case color Blizzard white, platinum grey, onyx black, mid night blue, coral red, plum purple, or chocolate brown PC/CABS plastic Camera Some: 0.3MP resolution, fixed focus, with single microphone Some: 720p HD, 1.0MP resolution, fixed focus, with dual array microphone Some: 720p HD, 1.0MP resolution, fixed focus, with single microphone HD Audio, stereo speakers with Dolby® Audio Certification, 1.5W x 2 / single microphone, audio combo jack Audio support

Keyboard 6-row, multimedia Fn keys, numeric keypad, optional backlight Touchpad One-piece multi-touch touchpad Security Supervisor password, power-on password, hard-disk password (only Non-Intel Optane memory model), security keyhole Security fingerprint reader/None

Security chip Integrated Li-Ion 30Wh, 35Wh or 45Wh battery Battery Max battery life MobileMark® 2014: 15IKB / IKBR / 15IGM: 5.5 hrs (30Wh) / 6 hrs (35Wh) 15ICH: 8 hrs (45Wh) 15ICN: 4.5 hrs (35Wh) \* Battery life varies significantly with settings, usage, & other factors AC adapter 15ICH: 90W slim tip AC adapter Others: 45W or 65W slim tip AC adapter Preload (opt) Windows® 10 Home 64 or Windows 10 Pro 64 Limited warranty One of the following, configurable by model: • 1-year Mail-in repair service • 1-year depot repair service • 2-year/1-yr battery depot repair service Environment EPEAT® 3, ENERGY STAR® 6.1, RoHS-compliant

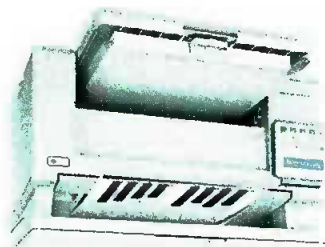


# HP LaserJet Pro MFP M130 series

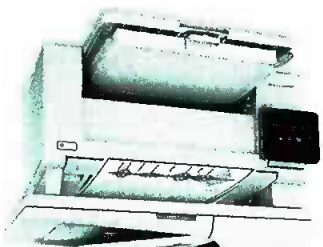


Simple productivity. Simply done.

Keep things simple with a compact HP LaserJet Pro powered by JetIntelligence Toner cartridges. Print professional documents from a range of mobile devices,<sup>1</sup> scan, copy, fax (M130 fn/fw), and save energy with a wireless MFP designed for efficiency.



HP LaserJet Pro MFP M130nw



HP LaserJet Pro MFP M130fw

## Highlights

- Print, scan, copy, and fax (fn/fw)
- Fast print speed (22 ppm A4)
- 35-page ADF (fn/fw) and fast scan speed (11 ppm A4)
- Scan to email, and network folders (M130fw)
- Fast FPOT from sleep (Auto-Off) mode
- 6.9 cm touchscreen (M130fw)
- HP ePrint, Apple AirPrint, WiFi Direct (nw/fn/fw)
- HP Auto-On/Auto-Off
- JetIntelligence



## HP quality – print after print

- Produce sharp text, bold blacks, and crisp graphics with precision black toner.
- Don't be fooled by alternatives that mimic Original HP. Help ensure you're getting the quality you paid for.
- Track toner levels with print gauge technology<sup>10</sup> and produce the most prints possible.
- Quickly replace your cartridges, using auto seal removal and easy-open packaging.

## Mobile printing made simple

- Print from iPhone<sup>®</sup> and iPad<sup>®</sup> with AirPrint<sup>®</sup>, which automatically scales jobs to the correct paper size.<sup>6</sup>
- Print with the ease of sending an email, right from a smartphone, tablet, or notebook, using HP ePrint.<sup>7</sup>
- Print directly from your mobile device to your Wi-Fi Direct<sup>®</sup> printer – without accessing the company network.<sup>8</sup>
- Send jobs from your smartphone, tablet, or PC to any company printer, using Google Cloud Print™ 2.0.<sup>9</sup>

## Designed for efficiency

- Print, scan, copy, and fax (M130 fn/fw) with a compact HP LaserJet MFP that fits into tight workspaces.
- Wait less. Print up to 22 pages per minute,<sup>2</sup> with first pages ready in as fast as 7.3 seconds.<sup>3</sup>
- Help save energy with HP Auto-On/Auto-Off Technology.<sup>4</sup>
- Tackle tasks and scan to email and network folders from the 6.9 cm colour touchscreen<sup>5</sup> (M130 fw).



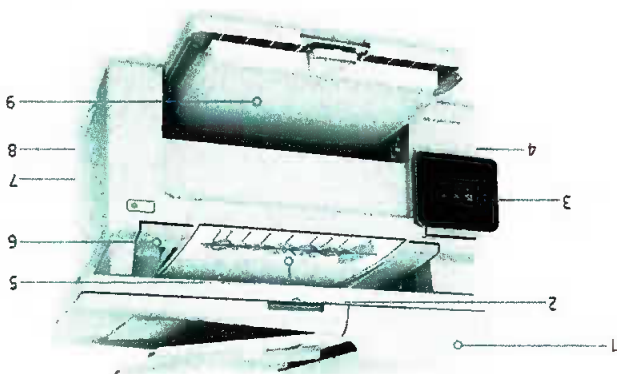
## Product walkaround

HP LaserJet Pro MFP M130fw

## Series at a glance



Model	Product number	Functions	Fax	Print speed (black)	Feeder (ADF)	Control panel	Networking	Mobile printing capability
HP LaserJet Pro MFP M130a	G3Q57A	Print, copy, scan	No	Up to 22 ppm	No	iCON LCD	No	No
HP LaserJet Pro MFP M130nw	G3Q58A	Print, copy, scan	No	Up to 22 ppm	No	2-line LCD	Built-in Ethernet, Wi-Fi 802.11 b/g/n	Apple AirPrint™, HP ePrint, Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct®
HP LaserJet Pro MFP M130fn	G3Q59A	Print, copy, scan and fax	Yes	Up to 22 ppm	No	2-line LCD with numeric keypad	Built-in Ethernet	Apple AirPrint™, HP ePrint, Google Cloud Print 2.0; Mopria-certified
HP LaserJet Pro MFP M130fw	G3Q60A	Print, copy, scan and fax	Yes	Up to 22 ppm	35 sheets	6.9 cm (2.7-in) touchscreen, LCD (colour graphics)	Built-in Ethernet, Wi-Fi 802.11 b/g/n	Apple AirPrint™, HP ePrint, Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct®



1. 35-sheet ADF
2. Flatbed scanner handles up to 216 by 297 mm paper
3. 6.9 cm (2.7-inch) colour touchscreen
4. Fax port, Hi-speed USB 2.0 port, Fast Ethernet network port, access port for optional lock
5. 100-sheet output bin
6. Top cover access to toner cartridges
7. Wi-Fi Direct printing
8. Built-in wireless networking (802.11 b/g/n)
9. 150-sheet input tray with dust cover (shown open)









<b>Model</b>	HP LaserJet Pro MFP M130A	HP LaserJet Pro MFP M130nw	HP LaserJet Pro MFP M130fn	HP LaserJet Pro MFP M130fw	
<b>Product number</b>	G3Q57A	G3Q58A	G3Q59A	G3Q60A	
<b>Scanner advanced features</b>	No	Scan to email; Network folder			
<b>Recommended monthly scan volume</b>	150 to 1,500				
<b>Scannable area</b>	Maximum media size (flatbed): 215.9 x 297 mm; Maximum media size (ADF): 215.9 x 297 mm	210 mm Maximum media size (ADF): 215.9 x 297 mm			
<b>Bit depth/ Grey scale levels</b>	24-bit / 256 levels				
<b>Digital sending</b>	Standard: No	Folder			
<b>Fax</b>	No, No	Yes, 33.6 kbps			
<b>Fax specifications</b>		<p><b>Fax memory:</b> Up to 1,000 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: 203 x 196 dpi; Superfine: 300 x 300 dpi (no halftone); <b>Quick dialing:</b> Up to 120 numbers (119 group dials); <b>Telecom compliance:</b> Wireless telecommunication: EN 301 489-1 V1.9.2/EN 301 489-1 V2.2.1; EN 300 328 V1.9.1/EN 301 893 V1.8.1; IEC R&amp;TE Directive 1999/5/EC (Annex II) with CE Marking (Europe); Other Telecom approvals as required by individual countries</p> <p><b>Fax memory:</b> Up to 1,000 pages; Fax resolution: Standard: 203 x 98 dpi; Fine: 203 x 196 dpi; Superfine: 300 x 300 dpi (no halftone); <b>Quick dialing:</b> Up to 120 numbers (119 group dials); <b>Telecom compliance:</b> Wireless telecommunication: EN 301 489-1 V1.9.2/EN 301 489-1 V2.2.1; EN 300 328 V1.9.1/EN 301 893 V1.8.1; IEC R&amp;TE Directive 1999/5/EC (Annex II) with CE Marking (Europe); Other Telecom approvals as required by individual countries</p> <p><b>Fax address book:</b> Speed-dial; Fax billing codes; Fax archiving and forwarding; Block incoming faxes</p>			
<b>Processor speed</b>	600 MHz				
<b>Connectivity</b>		<p>Standard (built-in Ethernet, Wi-Fi)   Standard (built-in Ethernet, Wi-Fi)   Standard (built-in Ethernet, Wi-Fi)   Standard (built-in Ethernet, Wi-Fi)   Standard (built-in Ethernet, Wi-Fi)</p>			
<b>Standard</b>	Hi-Speed USB 2.0 port (device); Built-in Fast Ethernet 10/100Base-TX network port; Wireless	Hi-Speed USB 2.0 port (device); Built-in Fast Ethernet 10/100Base-TX network port; Phone line port (in/out); Wireless	Hi-Speed USB 2.0 port (device); Built-in Fast Ethernet 10/100Base-TX network port; Phone line port (in/out)	Hi-Speed USB 2.0 port (device); Built-in Fast Ethernet 10/100Base-TX network port; Phone line port (in/out); Wireless	
<b>Optional</b>	No	No	No	No	
<b>Wireless</b>	Standard (Wi-Fi 802.11b/g/n)	Standard (Wi-Fi 802.11b/g/n)	No	Standard (Wi-Fi 802.11b/g/n)	
<b>Mobile printing capability</b>	Apple AirPrint™, HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct®	Apple AirPrint™, HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct®	Apple AirPrint™, HP ePrint; Google Cloud Print 2.0; Mopria-certified	Apple AirPrint™, HP ePrint; Google Cloud Print 2.0; Mopria-certified; Wi-Fi Direct®	
<b>Supported network protocols</b>	No	No	No	No	
<b>Network capabilities</b>	No	802.11b/g/n	Standard (built-in Ethernet)	Standard (built-in Ethernet, Wi-Fi)	
<b>Hard disk</b>	No	No	No	No	
<b>Memory</b>	Standard: 128 MB; Maximum: 128 MB	Standard: 256 MB; Maximum: 256 MB	Standard: 256 MB; Maximum: 256 MB	Standard: 256 MB; Maximum: 256 MB	
<b>Media handling</b>	Standard: 1 : Maximum: 1				
<b>Number of paper trays</b>	Standard: 1 : Maximum: 1				
<b>Media types</b>	Paper (laser, plain, photo, rough, vellum), envelopes, labels, cardstock, postcards				
<b>Media size</b>	Custom (metric): 76 x 127 to 216 x 356 mm; Supported (metric): A4; A5; A6; B5 (JIS); ADF: No				
<b>Media handling</b>	Standard input: 150-sheet input tray Standard output: 100-sheet output tray ADF: No				
<b>Media weight</b>	60 to 163 g/m <sup>2</sup> ; ADF: No				







Footnotes

- 1 App or software and HP ePrint account registration also may be required. Some features require purchase of an optional accessory. Learn more at <http://www.hp.com/go/mobileprinting>.
- 2 Printing speed measured using ISO/IEC 24734 and excludes first set of test documents. Exact speed versus predecessor varies depending on the system configuration, software application, driver, and document complexity. Learn more at <http://www.hp.com/go/printerclaims>.
- 3 Measured using ISO/IEC 17629. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- 4 HP Auto-On/Off Technology capabilities are subject to printer and settings.
- 5 Requires an internet connection to the printer. Services may require registration. App availability varies by country, language, and agreements. For details, see [connected.com](http://connected.com).
- 6 Mobile device must have iOS v7.0 or higher. Learn more at <http://www.hp.com/go/mobileprinting>.
- 7 Printer requires ePrint account registration. App or software may be required. Learn more at <http://www.hp.com/go/mobileprinting>.
- 8 Feature is supported on selected printers. Mobile device needs to be connected directly to the signal of a Wi-Fi Direct™ supported MFP or printer prior to printing. Depending on mobile device, an app or driver may also be required. For details, see <http://www.hp.com/go/mobileprinting>. Wi-Fi Direct is a registered trademark of Wi-Fi Alliance®.
- 9 Requires Google Cloud Print™ registration and Google account. Learn more at <http://hp.com/go/mobileprinting>.
- 10 As compared with cartridge gauges for HP predecessor products.

Technical specifications disclaimers

- 1 Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups.
- 2 HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period.
- 3 First Copy Out and Copy Speed measured using ISO/IEC 29183, excludes first set of test documents. For more information see <http://www.hp.com/go/printerclaims>. Exact speed varies depending on the system configuration, software application, driver, and document complexity.
- 4 HP recommends that the number of scanned pages per month be within the stated range for optimum device performance. More complicated pages or higher resolution will increase the transmission time.
- 5 Based on standard ITU-T test image at standard resolution. Not all "Compatible Operating Systems" are supported with INBOX software. Full solution software available only for Windows 7 and newer. Legacy Windows Operating Systems (XP, Vista, and equivalent servers) drivers only. For Windows Server 2003 32-bit and 2008 32-bit and 64-bit, 2012 64-bit, 2008 R2 64-bit, 2012 64-bit, 2012 R2 64-bit only drivers (print/scan/fax) are installed. Windows RT OS for Tablets (32/64-bit) uses a simplified HP print driver built into the RT OS. Linux systems use In-OS HP LJP software.
- 7 Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Power consumption values typically based on measurement of 115 V device.
- 8 Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages. This will damage the printer and void the product warranty. Energy Star value typically based on measurement of device.
- 9 Introduction: HP Black LaserJet Toner Cartridge (700 pages), HP Original LaserJet Imaging Drum (12,000 pages). Actual yields vary considerably based on images printed and other factors. For details see <http://www.hp.com/go/learnaboutsupplies>.



[www.blauer-engel.de/205](http://www.blauer-engel.de/205)

<http://www.hp.com/uk>

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# PHILIPS

- EasyRead mode for a paper-like reading experience
- LowBlue Mode for easy on-the-eyes productivity
- Less eye fatigue with Flicker-free technology

#### Easy on the eyes

- VESA mount allows for flexibility
- Compact design saves space

#### Perfectly designed for your space

- SmartImage presets for easy optimized image settings
- SmartContrast for rich black details
- Narrow border display for a seamless appearance
- 16:9 Full HD display for crisp detailed images
- IPS LED wide view technology for image and color accuracy

#### Vivid pictures every time

- HDMI-ready for Full HD entertainment

#### Experience true multimedia

A perfect all around display with stunning images that stretch from edge-to-edge, made easy on the eyes, in a compact slim design.

## Vivid, crisp images, from edge-to-edge



243V7QDSB

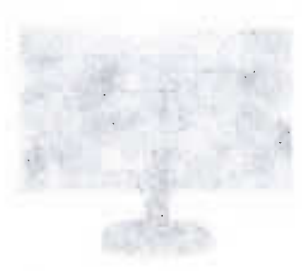
V Line  
24 (23.8" / 60.5 cm diag.)  
Full HD (1920 x 1080)

Philips  
Full HD LCD monitor

1950

1951

1952



1953

1954

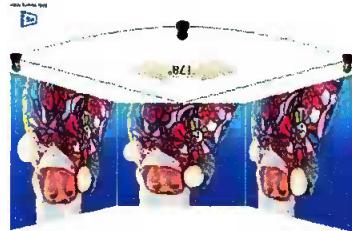
1955

1956



# Highlights

## IPS technology



IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

## 16:9 Full HD display



Picture quality matters. Regular displays deliver quality, but you expect more. This display features enhanced Full HD 1920 x 1080 resolution. With Full HD for crisp detail paired with high brightness, incredible contrast and realistic colors expect a true to life picture.

## UltraNarrow Border



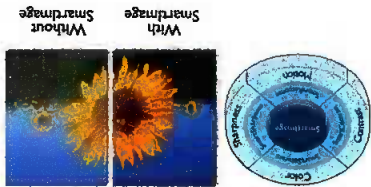
The new Philips displays feature ultra-narrow borders which allow for minimal distractions

## SmartContrast



and maximum viewing size. Especially suited for multi-display or tilting setup like gaming, graphic design and professional applications, the ultra-narrow border display gives you the feeling of using one large display.

## SmartImage



SmartImage is a Philips technology that analyzes the contents you are displaying, automatically adjusting colors and controlling backlight intensity to dynamically enhance contrast for the best digital images and videos or when playing games where dark hues are displayed. When Economy mode is selected, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option

## LowBlue Mode



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

Studies have shown that just as ultra-violet rays can cause eye damage, shortwave length blue light rays from LED displays can cause eye damage and affect vision over time. Developed for wellbeing, Philips LowBlue Mode setting uses a smart software technology to reduce harmful shortwave blue light.

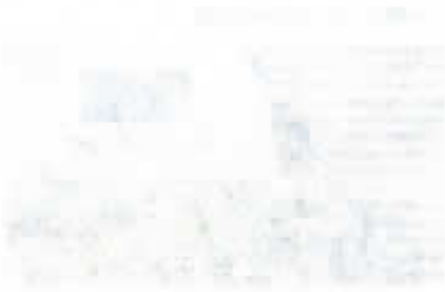
## EasyRead mode



EasyRead mode for a paper-like reading experience



Let us consider the ...



The diagram illustrates the ...

It is evident that ...



This diagram shows ...

The following ...



From the above ...

Let us consider the ...

It is evident that ...



The diagram illustrates the ...

It is evident that ...

The following ...



From the above ...

It is evident that ...

The following ...

Let us consider the ...

It is evident that ...



The diagram illustrates the ...

It is evident that ...



This diagram shows ...

The following ...



From the above ...



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EAN: 69 51613 91149 5

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or their respective owners.  
www.philips.com

\* "IPS" word mark / trademark and related patents on technologies belong to their respective owners.  
\* Response time value equal to SmartResponse

# Specifications

Full HD LCD monitor  
V Line 24 (23.8" / 60.5 cm diag), Full HD (1920 x 1080)

243V7QDSB/93

## Picture/Display

- LCD panel type: IPS technology
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Optimum resolution: 1920 x 1080 @ 60 Hz
- Pixel Density: 93 PPI
- Response time (typical): 4 ms (GtG)\*
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast 10,000,000:1
- Contrast ratio (typical): 1000:1
- Pixel pitch: 0.275 x 0.275 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Flicker-free
- Display colors: 16.7 M
- Scanning Frequency: 30-83 kHz (H) / 56-76 Hz (V)
- LowBlue Mode
- sRGB

## Connectivity

- Signal Input: VGA (Analog), DVI-D (digital), HDCP), HDMI (digital, HDCP)
- Sync Input Separate Sync, Sync on Green
- Audio (In/Out): HDMI audio out

## Convenience

- User convenience: Power On/Off, Menu/OK, Brightness/UP, Input/Down, SmartImage/Back
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, Simplified Chinese, Swedish, Turkish, Traditional Chinese, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 10 / 8.1 / 8 / 7
- Tilt: -5/20 degree

## Stand

- Color: Black
- Finish: Textured

## Cabinet

- Cert. - blue light cut-off
- Regulatory Approvals: CU, SEMKO, CETLUS, WEEE, CE Mark, FCC Class B, ICES-003, RCM, UKRAINIAN, VCCI, KCC, CCC, CCC, TÜV

## Compliance and standards

- Recyclable packaging material: 100 %
- Mercury Free
- Environmental and energy: RoHS, Lead-free

## Sustainability

- Operating range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF: 50,000 (Excluded backlight) hour(s)

## Operating conditions

- Product with stand (kg): 3.50 kg
- Product without stand (kg): 3.10 kg
- Product with packaging (kg): 5.09 kg

## Weight

- Packaging in mm (WxHxD): 602 x 472 x 128 mm
- Product without stand (mm): 540 x 325 x 45 mm
- Product with stand (mm): 540 x 415 x 209 mm

## Dimensions

- Power supply: Built-in, 100-240VAC, 50-60Hz
- Power LED indicator: Operation - White, Standby mode - White (blinking)
- On mode: 21.39 W (typ.)
- Standby mode: 0.5 W (typ.)
- Off mode: 0.5 W (typ.)

## Power



- Save time with fast print speeds of up to 38ppm
- Increase productivity with double sided single pass scanning
- High quality 1200 x 1200 dpi print resolution
- Easy operation with large colour touch screen
- Improved flexibility with varied media support; A4, A5, A6
- Increase control with the Universal Login Manager (MF428x and MF429x)
- Enhanced security & accounting with uniFLOW (MF428x and MF429x)
- Improve quality & reliability with Canon Genuine all-in-one cartridges
- Application Library allowing automation, added shortcuts and a customised interface
- Secure PIN feature allowing employers and employees maximum control over print jobs

MF426dw



MF428x



MF429x



# RELIABLE, SECURE AND EASY-TO- USE MULTI- FUNCTION PRINTER FOR AN OFFICE OR SME.

The i-SENSYS MF420 series are multi-function printers offering SMS speed, durability, and quality. Mobile connectivity maximises productivity.

10/10/10 10/10/10 10/10/10  
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10/10/10 10/10/10 10/10/10  
10/10/10 10/10/10 10/10/10  
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RELEASE  
SECURE AREA  
EASY-TO-  
USE MULTIFUNCTION  
PRINTER FOR AN  
OFFICE OR HOME



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# -SENSYS MF421dW \ MF426dW \ MF428X \ MF429X

## OPTIONAL ACCESSORIES

### Cassette Feeding Module - A11

- Additional 550 sheet paper cassette, unit can be added to main unit.
- Barcode Print Kit-E1E (Available on MF428X & MF429X)

- Installs bar code fonts for bar code printing. This kit, which is delivered electronically, includes a license access certificate for activation.

## TECHNICAL SPECIFICATIONS

Machine type	Mono Laser All-in-One	MF426dW / MF428X	Print, Copy, Scan and Fax
Available functions	MF426dW / MF428X: Print, Copy, Scan and Fax		
Printer	Print speed Single sided: Up to 38 ppm (A4) Up to 63.1 ppm (A5-Landscape) Up to 30.3 ppm (A4)	Print speed Double sided: Up to 30.3 ppm (A4) Monochrome laser beam printing	Print quality Print resolution Up to 1200 x 1200 dpi 600 x 600 dpi
Printing method		Approx. 14 seconds or less from power on	Warm-up time First Print Out Time Approx: 5.5 seconds or less
Printer languages	MF426dW / MF428X: PCL6 MF421dW / MF428X: UFR II, PCL 5e, PCL6, Adobe® Postscript	MF421dW / MF426dW: 45 PCL fonts 136 Postscript fonts	Fonts MF428X / MF429X: 93 PCL fonts 136 Postscript fonts
Print margins	Yes	5 mm-top, bottom, left and right 10 mm-top, bottom, left and right (Envelope)	Toner saver mode Advanced printing features Secure Print Print from USB memory key (JPEG/JFF/PCF)
Copy speed	Single sided (A4): Up to 38 ppm Double sided (A4): Up to 30.3 ppm	ADF (A4): Approx. 6.6 seconds or less Platen (A4): Approx. 6.4 seconds or less	Copy resolution Copy modes Text, Text/Photo (Default), Text/Photo (High Quality), Photo
First Copy Output Time (FCOT)	ADF (A4): Approx. 6.6 seconds or less Platen (A4): Approx. 6.4 seconds or less	Up to 600 x 600 dpi	Copy resolution Copy modes Text, Text/Photo (Default), Text/Photo (High Quality), Photo
Multiple copy	2-sided to 2-sided (Automatic)	Up to 999 copies	Reduction / Enlargement Multiple copy
Other features	Frame Erase, Collate, 2 on 1, 4 on 1, ID card copy	25-400% in 1% increments	Other features Scan to Cloud iFAX
SCANNER	Type Optical: Up to 600 x 600 dpi Enhanced: Up to 9600 x 9600 dpi	Colour Single sided mono: 289pm (300x600dpi) Single sided colour: 189pm (300x600dpi) Double sided colour: 261pm (300x600dpi)	Colour scanning depth Greyscale 256 levels 24 bit/24 bit (input/output)
Scan speed	Single sided mono: 289pm (300x600dpi) Single sided colour: 189pm (300x600dpi) Double sided colour: 261pm (300x600dpi)	Double sided mono: 201pm (300x600dpi) Double sided colour: 261pm (300x600dpi)	Scan to E-mail / PC / USB memory key / FTP
Max. scan width	216mm		Max. scan width
Compatibility	TMWIN, WIA, ICA		Compatibility
Scan to E-mail / PC / USB	TIFF/JPEG/PDF/Compact PDF/Searchable PDF/Encrypted PDF (MF428X, MF429X only)/PDF (Digital signature)		Scan to E-mail / PC / USB
Scan to Cloud	TIFF/JPEG/PDF/PNG		Scan to Cloud
iFAX	ITU-T.37		iFAX
FAX	MF426dW, MF429X only		FAX
Modem speed	33.6 Kbps (Up to 3 seconds/page)		
Receive mode	Standard: 200 x 100 dpi Fine: 200 x 200 dpi Super fine: 200 x 400 dpi Ultra fine: 400 x 400 dpi		
Fax resolution	Standard: 200 x 100 dpi Fine: 200 x 200 dpi Super fine: 200 x 400 dpi Ultra fine: 400 x 400 dpi		
Group dial/destinations	Up to 512 pages		
Speed dial	Up to 281dials		
Sequential broadcast	Max. 299 dials / Max. 299 destinations		
Memory backup	Permanent fax memory backup (Backup with flash memory)		
Double sided faxing	Yes (Transmit and Receive)		
Other features	Fax Forwarding, Dual Access, Remote Reception, PC Fax (TX only) DRPD, ECH, Auto Redial, Fax Activity Reports, Fax Activity Result Reports, Fax Activity Management Reports		
Media sizes	Cassettes (standard and optional): A4, A5, A5 (landscape), B-5, Legal, Letter, Executive Statement, OFICIO, B-OFICIO, G-TR, GL-GL, Footscap, 16K, Custom sizes: Min. 105 x 148 mm Max. 215.9 x 355.6 mm.		
Media weights	Cassette (standard and optional): 52 to 120 g/m <sup>2</sup> Multi-purpose tray: 52 to 163 g/m <sup>2</sup> ADF: 50 to 105 g/m <sup>2</sup>		
Double sided printing	A4, Legal, Letter, OFICIO, B-OFICIO, M-OFICIO, G-GL, Footscap Custom size - Min. 210 x 279.4 mm Max. 215.9 x 355.6 mm 60 to 120 g/m <sup>2</sup>		
INTERFACE & SOFTWARE	USB 2.0 Hi-Speed, 10BASE-T/100BASE-TX/1000Base-T, Wireless 802.11b/g/n, Wireless Direct Connection Windows 7 / Server 2016 / Server 2012 / Windows 8.1 / Windows 10 / Server 2012 / Server 2008 R2 / Server 2016 / Mac OS X version 10.5.8 & up Linux		
Operating System compatibility	Windows 7 / Server 2016 / Server 2012 / Windows 8.1 / Windows 10 / Server 2012 / Server 2008 R2 / Server 2016 / Mac OS X version 10.5.8 & up Linux		
Network Protocol	Print: LPD, RAW, Port1910, IPP, IPPS, WSD (IPV4, IPV6) Scan: Email, SMB, WSD-Scan (IPV4, IPV6), FTP-Scan, iFAX TCP/IP Application Services: Bonjour(mDNS), HTTP, HTTP, POP before SMTP (IPV4, IPV6) DHCP, ARP+PING, Auto IP, WINS (IPV4) DHCIPV6 (IPV6)		
Management	DHCPv6 (IPV6) Management: SNMPv1, SNMPv3 (IPV4, IPV6)		
Security (wireless)	Security (wireless): WEP(64/128 bit), WPA-PSK(TKIP/AES), WPA2-PSK(AES)		
Security (wired)	Security (wired): IP/Mac address filtering, IEEE802.1X, 802.1Q, SSL (HTTPS, IPPS)		







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# TECHNICAL SPECIFICATIONS

## I-SENSYS MF421dw \ MF426dw \ MF428x \ MF429x

GENERAL FEATURES	CONSUMABLES
<b>Software and printer management</b> MF Scan Utility Remote User Interface (RUI) Department ID Management Toner Status Tool !V Management Console: Server-based software for centralised management of a fleet of devices eMaintenance services such as meter capture, automatic consumables management and remote diagnostics. Universal Log-In Manager (MF428x, MF429x only) unifiFLOW online (MF428x, MF429x only) unifiFLOW Express (MF428x, MF429x only) unifiFLOW Compatibility with embedded unifiFLOW Login Device Client (MF428x, MF429x only)	<b>Cartridges</b> Cartridge 052H (9,200 pages *) Cartridge 052H (9,200 pages *) Cartridge 052H (9,200 pages *) Cartridge 052H (9,200 pages *)
<b>Recommended Monthly Print Volume</b> 750 - 4,000 pages per month	<b>Accessories/ options</b> CST-Feeding Module-AH1 (S50-sheet cassette) TEL 6 Kit Long Cord (Telephone handset) Barcode Printing Kit-E1E (MF428x, MF429x only) Barcode Multi Card reader for identification with RFID or magnetic cards with unifiFLOW (MF428x, MF429x only) Micard Plus (Card reader for identification with RFID or magnetic cards with unifiFLOW) (MF428x, MF429x only) Micard Attachment Kit-B1 (MF428x, MF429x only) Send PDF Security Feature Set-E1 (MF428x, MF429x only)
<b>Duty cycle</b> Max: 80,000 pages per month*	<b>Items</b> * A Canon PCL5e driver is not supplied, however PCL5e commands are supported on the device. * Accessory - Send PDF Security Feature Set-E1 is required * Scan by MF Scan Utility or Canon PRINT Business app * Based on ITU-T Standard Chart No. 1 * Linux support both printing and scanning * Available from December 2018.
<b>Processor Speed</b> 800MHz x 2	<b>Control panel</b> 17.7 cm LCD Colour Touch Screen
<b>Memory</b> 1GB	<b>Dimensions with trays</b> 453 mm x 464 mm x 392 mm
<b>Installation space</b> (W x D x H) 682 mm x 1,085 mm x 895 mm	<b>Weight</b> (W x D x H) Approx. 16.9 Kg
<b>Operating environment</b> Temperature: 10 to 30°C (50 to 86°F) Humidity: 20 to 80% RH (no condensation)	<b>Power Source</b> 220-240V(±10%) 50/60Hz (±2Hz)
<b>Power Consumption</b> Maximum: Approx. 1,300 W Standby: Approx. 10 W Sleep mode: Approx. 0.9 W Typical Electricity Consumption (TEC): 12 kWh/year (230V)	<b>Noise Levels</b> Sound Pressure* : Active: 55 dB Standby: Inaudible* Sound Power** : Active: 72.2 dB Standby: Inaudible* * http://www.canon-europe.com/For_Work/0226/index.aspx

\* A Canon PCL5e driver is not supplied, however PCL5e commands are supported on the device.  
 \* Accessory - Send PDF Security Feature Set-E1 is required  
 \* Scan by MF Scan Utility or Canon PRINT Business app  
 \* Based on ITU-T Standard Chart No. 1  
 \* Linux support both printing and scanning  
 \* Available from December 2018.

\* Duty cycle is defined as the maximum number of printed pages for a single peak month.  
 \* Any usage above the recommended duty cycle may decrease the life of the product.

\*\* Declared noise emission in accordance with ISO 9296  
 \* Inaudible means that the emission sound pressure level for a bystander is lower than absolute standard for background noise in accordance with ISO 7779  
 \* Based on ISO/IEC 19752

\* Printer ships with Cartridge 052 (3,100 pages)

Typical Electricity Consumption (TEC): 12 kWh/year (230V)

Sleep mode: Approx. 0.9 W

Standby: Approx. 10 W

Maximum: Approx. 1,300 W

Humidity: 20 to 80% RH (no condensation)

Temperature: 10 to 30°C (50 to 86°F)

220-240V(±10%) 50/60Hz (±2Hz)

Typical Electricity Consumption (TEC): 12 kWh/year (230V)

For detailed information relating to Lot26 regulation, please go to:

http://www.canon-europe.com/For\_Work/0226/index.aspx

Sound Pressure\* : Active: 55 dB  
 Standby: Inaudible\*

Sound Power\*\* : Active: 72.2 dB  
 Standby: Inaudible\*

\* http://www.canon-europe.com/For\_Work/0226/index.aspx

\*\* Declared noise emission in accordance with ISO 9296

\* Inaudible means that the emission sound pressure level for a bystander is lower than absolute standard for background noise in accordance with ISO 7779

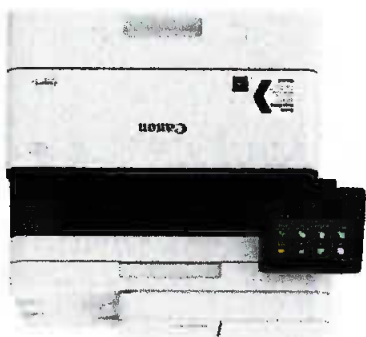
\* Based on ISO/IEC 19752

\* Printer ships with Cartridge 052 (3,100 pages)





**!-SENSYS MF421dw \ MF426dw \ MF428x \ MF429x**



The !-SENSYS MF420 series is a multi-function printer offering SMS speed, durability, and quality. Mobile connectivity maximises productivity.

Sales Start Date: April 2018

**PRODUCT DETAILS:**

Product Name	Mercury Code	EAN Code
!-SENSYS MF421dw GB	2222C041AA	8714574657042
!-SENSYS MF426dw GB	2222C032AA	8714574656953
!-SENSYS MF428x GB	2222C027AA	8714574656908
!-SENSYS MF429x GB	2222C018AA	8714574656731

**ACCESSORIES:**

Product Name	Mercury Code	EAN Code
Cassette Feeding Module-AH1	0732A033AA	4549292092769
HiCard Attachment Kit-B1	5146B002AA	4549292027235
Barcode Printing Kit-E1E	5143B002AA	N/A (e-delivery)
Send PDF Security Feature Set-E1	9594B002AA	N/A (e-delivery)
Telephone 6 Kit EU (CW)	0752A054AA	4960999453910
Telephone 6 Kit UK (CW)	0752A053AA	4960999453897
Telephone 6 Kit SA (CW)	0752A055AA	4960999453927

**CONSUMABLES:**

Product Name	Mercury Code	EAN Code
Cartridge 05Z	2199C002AA	4549292089400
Cartridge 05Z H	2200C002AA	4549292089424

**EASY SERVICE PLAN:**

Product Name	Mercury Code	EAN Code
Installation service	7950A546AA	4960999794426
3-year on-site next day service-Pack C (MF426dw & MF429x)	7950A527AA	4960999793313
3-year on-site next day service-Pack B (MF421dw & MF428x)	7950A526AA	4960999793306





# I-SENSYS MF264dw / MF267dw / MF269dw

# TECHNICAL SPECIFICATIONS

Machine type	Mono Laser All-in-One	MF264dw/MF269dw: Print, Copy and Scan	MF267dw/MF269dw: Print, Copy, Scan and Fax
Available functions			
Printer speed	Single sided: Up to 28 ppm (A4)	Single sided: Up to 17.8 ppm (A4)	Double sided: Up to 17.8 ppm (A4)
Printing method	Monochrome laser beam printing		
Print quality	Up to 1200 x 1200 dpi		
Print resolution	600 x 600 dpi		
Warm-up time	Approx. 15 seconds or less from power on		
First Print Out Time	Approx. 5.2 seconds or less		
Printer languages	UFRII-LT, PCL 5e1, PCL6		
Fonts	45 PCL fonts		
Print margins	10 mm-top, bottom, left and right (Envelope)		
Toner saver mode	Google Cloud Print Ready Yes		
Advanced printing features	IOS: AirPrint, Canon PRINT Business app Android: Mopria certified, Canon Print Service Plug-In, Canon PRINT Business app		
Copy speed	Single sided: Up to 28 ppm (A4)	Double sided: Up to 17.8 ppm (A4)	Approx. 8.2 seconds or less
First Copy Output Time (FCOT)	Up to 600 x 600 dpi		
Copy resolution	Up to 600 x 600 dpi		
Copy modes	Text/photo, Text/photo (High speed), Photo, Text		
Double sided copying	MF264dw/MF267dw: 1-sided to 2-sided (Automatic) MF269dw: 2-sided to 2-sided (Automatic)		
Multiple copy	Up to 999 copies		
Reduction / Enlargement	25-400% in 1% increments		
Other features	Collate Copies, 2 on 1, 4 on 1, ID card copy		
SCANNER			
Type	Colour		
Scan resolution	Optical: Up to 600 x 600 dpi		
Scan speed	MF264dw/MF267dw: Single sided mono: 20ipm (300x600dpi)		
Scan speed	MF269dw: Single sided mono: 22ipm (300x600dpi)		
Colour scanning depth	24 bit/24 bit (input/output)		
Grayscale	256 levels		
Compatibility	TWAIN, WIA, ICA		
Max. scan width	215.9mm		
Scan to E-mail	MF267dw/MF269dw only: TIF/JPEG/PDF/Compact PDF		
Scan to PC	TIF/JPEG/PDF/Compact PDF/Searchable PDF <sup>1</sup>		
Scan to USB memory key			
Scan to FTP			
Scan to Cloud	TIF/JPEG/PDF/PNG <sup>2</sup>		
IFAX			
RECEIVE MODE	33.6 Kbps (Up to 3 seconds/page) <sup>3</sup>		
Modem speed	MF267dw/MF269dw only		
FAX			
Fax resolution	Normal: 200 x 100 dpi		
Fax memory	Super line: 200 x 400 dpi		
Speed dial	Up to 104 dials		
Machine type			
Group dials/destinations			
Sequential broadcast			
Memory backup			
Permanent fax memory backup (Backup with Flash memory)			
Max. 114 destinations			
Max. 104 dials / Max. 50 destinations in one group			
Double sided faxing			
Yes (Transmit and Receive)			
Other features			
Fax Forwarding, Dual Access, Remote Reception, PC Fax			
(TX only) DRPD, ECM, Auto Redial, Fax Activity Reports, Fax Activity Result Reports, Fax Activity Management Reports			
MEDIA HANDLING			
Scanner type			
Feeder (ADF)			
MF264dw/MF267dw:			
1-sheet multi-purpose tray			
250-sheet cassette			
MF269dw:			
35-sheet ADF			
50-sheet DADF			
Paper input (Option)			
Paper output			
Media types			
Media sizes			
Cassette:			
A4, A5, A5(Landscape), B5, A6, Legal, Letter, Executive, Statement, OFICIO, B-OFICIO, M-OFICIO, GLTR, GLO, Foolscap, 16K, Indexcard, Envelope (COM10, Monarch, DL, C5), Custom sizes: Min. 76.2 x 127 mm Max. 215.9 x 355.6 mm			
ADF:			
MF264dw/MF267dw:			
A4, A5, B5, B6, Legal, Letter, Custom sizes (W x L): Min. 105 x 148 mm Max. 216 x 356 mm			
MF269dw:			
A4, A5, B5, B6, Legal, Letter, Custom sizes (W x L): Min. 127 x 140 mm Max. 216 x 356 mm			
Other features:			
Multi-purpose tray: B5, A6, Legal, Letter, Executive, Statement, OFICIO, B-OFICIO, M-OFICIO, GLTR, GLO, Foolscap, 16K, Indexcard, Envelope (COM10, Monarch, DL, C5), Custom sizes: Min. 76.2 x 127 mm Max. 215.9 x 355.6 mm			
MF264dw/MF267dw:			
A4, A5, B5, B6, Legal, Letter, Custom sizes (W x L): Min. 105 x 148 mm Max. 216 x 356 mm			
MF269dw:			
A4, A5, B5, B6, Legal, Letter, Custom sizes (W x L): Min. 127 x 140 mm Max. 216 x 356 mm			
Media weights			
Cassette: 60 to 163 g/m <sup>2</sup>			
ADF:			
MF264dw/MF267dw:			
50 to 105 g/m <sup>2</sup>			
MF269dw:			
Single 50 to 105 g/m <sup>2</sup>			
Duplex 60 to 105 g/m <sup>2</sup>			
Automatic			
Foolscap			
A4, Legal, Letter, OFICIO, B-OFICIO, M-OFICIO, MF269dw:			
60 to 105 g/m <sup>2</sup>			
Interface & Software			
Interface type			
USB 2.0 Hi-Speed, 10BASE-T/100BASE-TX, Wireless 802.11b/g/n, Wireless Direct Connection			
Windows <sup>®</sup> 7 / Server <sup>®</sup> 2008R2 / Windows <sup>®</sup> 10 / Windows <sup>®</sup> 11 / Server <sup>®</sup> 2012 / Server <sup>®</sup> 2012R2 / Server <sup>®</sup> 2016 / Server <sup>®</sup> 2019 / Mac OS X version 10.8.5 & up / Mac OS 10.13 & up			
Linux <sup>®</sup>			
Print:			
LPD, RAW, WSD-Print (IPV4, IPV6), IPP, IPPS			
Scan:			
Email, SMB, WSD-Scan (IPV4, IPV6)			
TCIP/ Application Services:			
Bonjour (mDNS)			
DHCP, Auto IP (IPv4)			
DHCPv6 (IPv6), BOOTP, RARP			
Management:			
SNMPv1, SNMPv3 (IPv4, IPV6) HTTP, HTTPS, SNT			
Security (Wired):			
IP/Mac address filtering, IEEE802.1X, SNMPv3, SSL (HTTPS/PPS)			
Security (Wireless):			
WEP(64/128 bit), WPA-PSK(TKIP/AES), WPA2-PSK(AES)			
MF Scan Utility:			
Remote User Interface (RUI),			
Toner Status Tool,			
Software and printer management			



# I-SENSYS MF264dw / MF267dw / MF269dw

## TECHNICAL SPECIFICATIONS



Canon Inc.  
 canon.com  
 Canon Europe  
 canon-europe.com  
 English edition  
 © Canon Europa N.V., 2018

GENERAL FEATURES	
Recommended Monthly Print Volume	250 - 2,500 pages per month
Duty cycle	Max. 30,000 pages per month*
Processor Speed	400MHz
Memory	256MB
Control panel	MF264dw: 5-line B&W LCD MF267dw/MF269dw: 6-line LCD B&W Touch Screen
Dimensions with trays (W x D x H) <sup>1)</sup>	390 mm x 405 mm x 375 mm
"Installation space (W x D x H)" <sup>2)</sup>	MF264dw/MF267dw: 435 mm x 620 mm x 645 mm MF269dw: 429 mm x 620 mm x 670 mm
Weight	MF264dw/MF267dw: Approx. 12.9 kg MF269dw: Approx. 13.8 kg
Operating environment	Temperature: 10 to 30°C (50 to 86°F) Humidity: 20 to 80% RH (no condensation) 220-240V(±10%) 50/60Hz (±2Hz)
Power Source	Maximum: Approx. 1180 W Standby: Approx. 5.7 W Sleep mode: Approx. 0.9 W Power switch off: 0.5W or less
Power Consumption	Typical Electricity Consumption (TEC): 0.8 kWh/week Idle time required to enter sleep mode: 1-30 min (default: 1 min) Idle time required to enter Auto Shutdown: 4 hours (default)
Noise Levels	Sound Pressure <sup>3)</sup> : MF264dw/MF267dw: 51 dB in B/W printing MF269dw: 50 dB in B/W printing Standby: Inaudible Sound Power <sup>4)</sup> : Active: 70.7 dB or less in B/W printing Standby: N/A

CONSUMABLES	
Cartridges	Cartridge 051 (1,700 pages <sup>5)</sup> Cartridge 051H (4,100 pages <sup>6)</sup> Drum Cartridge 051 (23,000 pages <sup>7)</sup>
ACCESSORIES/OPTIONS	MF267dw/MF269dw only TEL 6 KIT (Telephone handset)

**Notes:**  
 1) A Canon PCL5e driver is not supplied, however PCL5e commands are supported on the device.  
 2) Scan by MF Scan Utility or Canon PRINT Business app  
 3) Based on ITU-T Standard Chart No. 1  
 4) Linux support both printing and scanning  
 5) Available from December 2018.  
 6) Duty cycle is defined as the maximum number of printed pages for a single peak month. Any usage above the recommended duty cycle may decrease the life of the product.  
 7) Inaudible means that the emission sound pressure level for a bystander is lower than absolute standard for background noise in accordance with ISO 7779  
 8) Based on ISO/IEC 19752  
 9) Printer ships with Cartridge 051 (1,700 pages), Drum Cartridge 051 (23,000 pages)

http://www.canon-europe.com/For\_Work/Lo26/index.aspx





# MX825ST

## Digital Projector

### Features

- 0.61 Short Throw Ratio
- PointWrite Interactive Solution Compatible
- LAN Control
- USB power & HDMI / MHL ready
- Smarteco Power Saving Technology



HDMI MHL

### Product Specifications

<b>Projection System</b>	DLP
<b>Native Resolution</b>	XGA 1024 x 768 pixels
<b>Brightness</b>	3300 Lumens
<b>Contrast Ratio</b>	20,000 : 1
<b>Display Color</b>	1.07 Billion Colors
<b>Lens</b>	F=2.6 f=69mm
<b>Aspect Ratio</b>	Native 4:3 (5 aspect ratio selectable)
<b>Throw Ratio</b>	0.61
<b>Clear Image Size / Maximum Image Size</b>	60"~120" / 120"
<b>Zoom Ratio</b>	Fixed
<b>Lamp Type</b>	200W
<b>Lamp Mode (Normal / Economic / Smarteco / LampSave)</b>	5000 / 10000 / 10000 / 15000 hours
<b>Keystone Adjustment</b>	1D Vertical +/- 30 degrees
<b>Projection Offset</b>	115%±2.5% (Full-Height)
<b>Horizontal Support</b>	VGA (640 x 480) to WXGA-RB (1920 x 1200) *RB-Reduced Blanking
<b>Horizontal Frequency</b>	15K~102KHz
<b>Vertical Scan Rate</b>	73~120Hz
<b>Compatibility</b>	HDTV Compatibility 480i, 480p, 576i, 567p, 720p, 1080i, 1080p
<b>3D Compatibility</b>	
<b>Interface</b>	Computer Input (D-sub 15pin) Monitor Output (D-sub 15pin) Composite Video Input (RCA) S-Video Input (Mini BNC 4pin) HDMI Audio Input (Mini Jack) Audio Output (Mini Jack) Audio I / R Input (RCA) Speaker USB (Type A) USB (Type Mini B) RS232 (DB-9pin) LAN (RJ45) Dimensions (W x D x H) Weight
<b>Dimensions</b>	296 x 239 x 120 mm 2.6 kg (5.7 lbs)
<b>Power</b>	Power Supply AC 100 to 240V, 50 / 60Hz 270W (typical), standby <0.5W, Network <3W
<b>Audible Noise</b>	33/29 dBA (Normal / Economic mode) Power consumption
<b>On-Screen Display Languages</b>	Arabic / Bulgarian / Croatian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hindi / Hungarian / Italian / Indonesian / Japanese / Korean / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Simplified Chinese / Spanish / Swedish / Turkish / Thai / Traditional Chinese / Vietnamese (28 Languages)
<b>Picture Modes</b>	Bright / Presentation / sRGB / Cinema / (3D) / User 1 / User 2
<b>Accessories</b>	Standard Remote Control with Battery Power Cord (by region) User Manual CD Quick Start Guide Warranty Card (by region) PointWrite Finger Touch Spare Lamp Kit Wall Mount Dust Filter

\* Lamp life results will vary depending on environmental conditions and usage. Actual products features and specifications are subject to change without notice.



# TOTAL

1990

1990



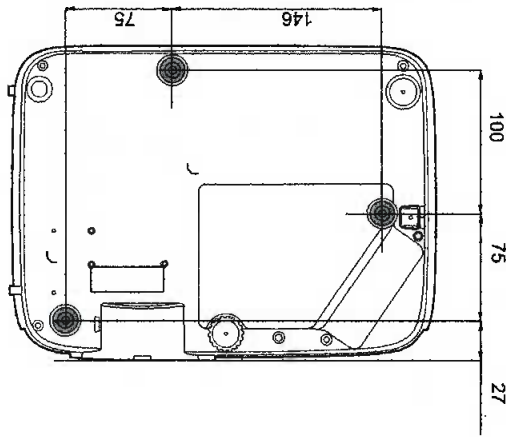
1980 1990

1980 1990

Year	Value
1980	10
1981	15
1982	20
1983	25
1984	30
1985	35
1986	30
1987	25
1988	20
1989	15
1990	10

1980 1990

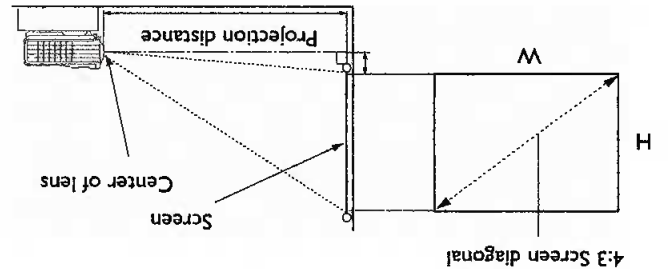
Unit: mm  
 Ceiling/Wall Mount screw: M4  
 (Max. Length = 25 mm; Min. Length = 20 mm)



Ceiling Mount Chart

\* The screen aspect ratio is 4 : 3 and the projected picture is in a 4 : 3 aspect ratio

Screen Size		mm		inch	
Diagonal	Height	Width	Distance from Screen (mm)	Lowest / Highest Lens position (mm)	
60	1524	914	1219	738	137
70	1778	1067	1422	862	160
80	2032	1219	1626	985	183
90	2286	1372	1829	1108	206
100	2540	1524	2032	1231	229
110	2794	1676	2235	1354	251
120	3048	1829	2438	1477	274



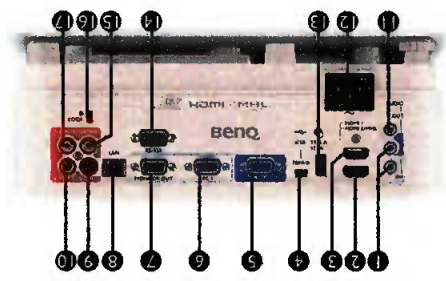
4:3 Screen diagonal

Distance Chart



Dimensions

- ① Audio input 1 / 2 jack
- ② HDMI 2 / MHL input jack
- ③ HDMI 1 input jack
- ④ USB Mini-B port
- ⑤ PC input 2
- ⑥ PC input 1
- ⑦ Monitor output jack
- ⑧ RJ45 LAN input jack
- ⑨ S-Video input jack
- ⑩ Audio R input jack
- ⑪ Audio output jack
- ⑫ AC power cord inlet
- ⑬ USB Type-A port
- ⑭ RS-232 control port
- ⑮ Video input jack
- ⑯ Kensington anti-theft lock slot
- ⑰ Audio L input jack

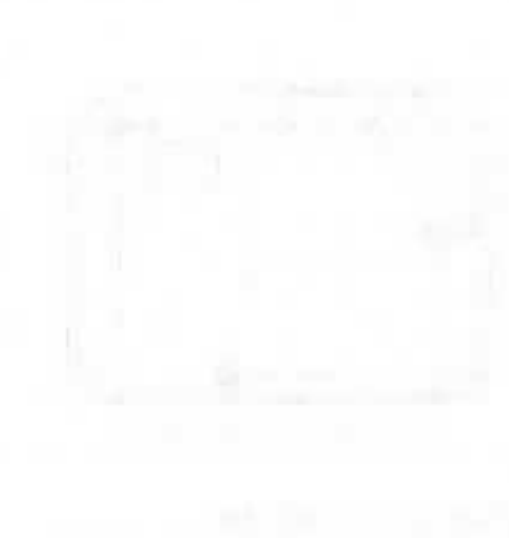


Input and Output Terminals

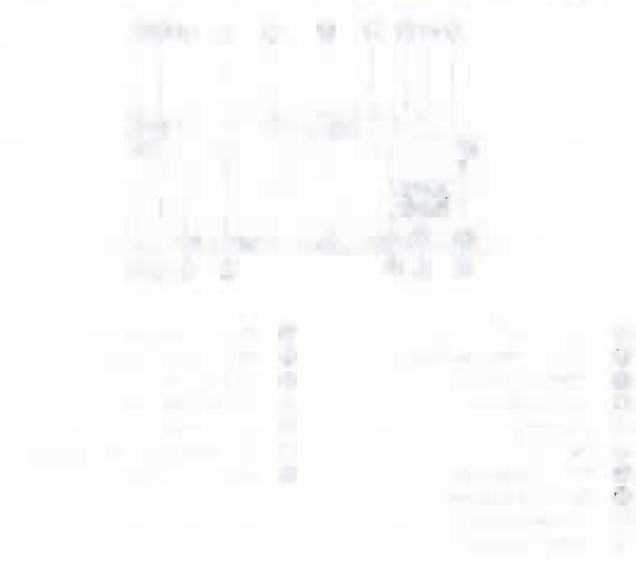
PROBLEM 1



PROBLEM 2



PROBLEM 3



PROBLEM 4

