i-SENSYS X C1946P

HIGH-QUALITY, HIGH-VOLUME A3 PRINTER FOR GREATER EFFICIENCY

ENHANCE EFFICIENCY

ROBUST SECURITY

CONTROL & MAINTENANCE

HIGH QUALITY OUTPUT

CONNECTIVITY

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i-SENSYS X C1946P

ENHANCE EFFICIENCY

• Save time with automatic duplex printing and print speeds of 46ppm (A4) and 26ppm (A3). Meet diverse printing demands as a result of versatile media support and print large volumes via optional maximum paper capacity of 2,850 sheets

ROBUST SECURITY

• Protect your documents, devices and network with 360-degree security. Features include PIN protected documents, secure start up and network and cloud protection

CONTROL & MAINTENANCE

• Flexable user management solutions for business administrators and IT department. Remote access to the device control functions, along with the toner status tool reduces downtime

HIGH QUALITY OUTPUT

• Utilise free Poster Artist online software to produce large colour files including banners and posters in superior quality. Print sharp colour images with high saturation print
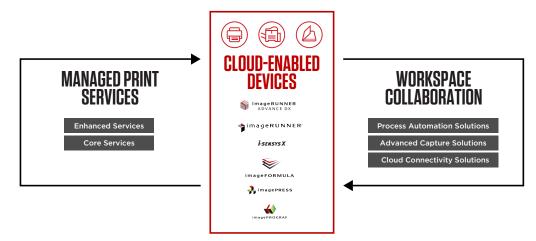
CONNECTIVITY

• Connect with Wi-Fi as standard, and pair easily with Wi-Fi direct. Print from your mobile or tablet devices and connect to the cloud with native support for Universal Print by Microsoft

QUICK FACTS

i-SENSYS X C1946P

• Print speed: **46ppm (A4), 26ppm (A3)**
• Print resolution: Up to 1200 x 1200 dpi
• Automatic double-sided printing
• uniFLOW Online Express
• Network, USB and Wi-Fi connectivity
• Standard paper input: 550-sheet

TAILORED SOLUTIONS TO MEET EVERY CHALLENGE

MANAGED PRINT SERVICES

Enhanced Services

Core Services

CLOUD-ENABLED DEVICES

imageRUNNER ADVANCE DX

imageRUNNER

i-SENSYS X

imageFORMULA

imagePRESS

imagePROGRAF

WORKSPACE COLLABORATION

Process Automation Solutions

Advanced Capture Solutions

Cloud Connectivity Solutions

Canon's Digital Transformation Services (DTS), bring together our leading hardware and software into an integrated technology ecosystem, designed to support your transformation journey. This offering combines Managed Print Services and Workspace Collaboration solutions, to help you gain transparency and control over the entire document lifecycle.

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TECHNICAL SPECIFICATIONS

i-SENSYS X C1946P

PRINTER ENGINE

Print speed	Single sided : Up to 46 ppm (A4) Up to 26 ppm (A3) Double sided : Up to 46 ipm (A4), 17.6 ipm (A3)
Printing method	Colour laser beam printing
Print resolution	Up to 1200 x 1200 dpi
Warm-up time	Approx. 34 seconds or less from power on Approx. 2 seconds or less from power on (quick mode)
First Page Out Time	Colour: approx. 8.35 seconds Mono; approx. 7.54 seconds
Recommended Monthly Print Volume	2,500 - 7,500 pages per month
Duty cycle	Max 165,000 pages[1]
Print margins	5 mm-top, bottom, left and right
Advanced printing features	Secure Print Print from USB memory key (JPEG/TIFF/PDF/XPS) Barcode Print[2] iOS: AirPrint, Canon PRINT Business app Android; Mopria certified, Canon Print Service Plug-in, Canon PRINT Business app Microsoft Universal Print

MEDIA HANDLING

Paper input (Standard)	550-sheet cassette 100-sheet multi-purpose tray
Paper input (Option)	550-sheet cassette x3 (Paper Feeder PF-G1) 1,100-sheet 2-drawer cassette pedestal (Paper Feeder AU1) Option 1: 550-sheet cassette x 3 (including standard cassette), 1,100-sheet 2-drawer cassette pedestal Option 2: 550-sheet cassette x 4 (including standard cassette)
Maximum paper input capacity	2,850-sheetss
Paper output	200-sheet
Media types	Multi-Purpose Tray: Plain paper,Heavy Paper, Coat paper, Rough paper, Label, Post card, Envelope Cassette: Plain paper, Heavy Paper, Rough paper, Label
Media sizes	Cassette (Standard): A3, B4, A4, B5, A5, A5 (Landscape), LDR, LGL, LTR, EXE, FLS, K8, K16 Custom size - width: 148 to 297 mm, length: 148 to 431.8 mm Multi-purpose tray: A3, B4, A4, B5, A5, A5 (Landscape), A6, 12 x 18, LDR, LGL, LTR, EXE, FLS, K8, K16, STMT, Index card Custom size - width: 64 to 320 mm, length: 120 to 457.2mm For Banner width: 200 to 297 mm, length: 457.3 to 1,200 mm Cassette (Optional): A3, B4, A4, B5, A5, A5 (Landscape), LDR, LGL, LTR, EXE, FLS, K8, K16 Custom size - width: 148 to 297 mm, length: 148 to 431.8 mm
Media weights	Cassette (standard and optional): 60 to 256 g/m² Multi-purpose tray: 60 to 300 g/m² (Except for Coat paper) 100 to 220 g/m² (Coat paper)
Double sided printing	Automatic Media types: Plain paper, Heavy Paper, Coat paper, Rough paper Cassette: A4, A5, B5, Legal, Letter, Executive, OFFICIO, B-OFFICIO, M-OFFICIO, GLTR, ILGL, GLGL, Foolscap, F4A, 16K Custom size - Min. 148 x 210 mm Max. 216 x 355.6 mm 60 to 163 g/m² (Except for Coat paper) 100 to 220 g/m² (Coat paper)

GENERAL FEATURES

Power requirements	220-240V (±10%) 50/60Hz (±2Hz)
Power consumption	Maximum: Approx. 1500W or less Active: Approx. 970W or less Standby: Approx. 50W or less Sleep: Approx. 2W or less Typical Electricity Consumption (TEC): 0.56 kWh/week[8] For detailed information relating to Lot26 regulation, please go to: http://www.canon-europe.com/For_Work/Lot26/index.aspx
Noise level	Sound power[3] Active: 71.8 dB or less Standby: Inaudible[9] Sound pressure[3] Active: Simpelx 52 dB or less / Duplex 51 dB or less Standby: 30 dB

Dimensions (W x D x H)	556 mm x 608 mm x 403 mm
Weight	Main Unit: Approx. 45 Kg Main Unit + Paper Feeder PF-G1 x 2 + Cassette Feeding Unit-AU1: Approx. 88 Kg
Operating environment	Temperature: 10 to 30ºC (50 to 86ºF) Humidity 20 to 80% RH (no condensation)
Control panel	5 Line LCD, 5 LED (Online, Ready, Message, Job and Energy saver), Buttons, 10-key numeric keypad

CONTROLLER

Processor Speed	1.6GHz x 2
Memory	2GB
Storage	32GB eMMC (available space 15GB)
Printer Languages	UFRII (Ultra Fast Rendering), PCL5c[4], PCL6, Adobe® PostScript3
Fonts	105 PCL fonts (93 Roman, 10 Bitmap fonts, 2 OCR fonts) Andalé Mono WT J/K/S/T (Japanese, Korean, Simplified and Traditional Chinese)*[5] Barcode Fonts *[2] 136 PostScript fonts
Interface and connectivity	USB 2.0 Hi-Speed, 10BASE-T/100BASE-TX/1000Base-T, Wireless 802.11b/g/n, Wireless Direct Connection
Network Protocol	Print: TCP/IP (LPD/Port9100/IPP/IPPS/FTP/WSD) Management: SNMPv1, SNMPv3 (IPv4,IPv6) Security: TLS1.3, IPSec, IP/Mac address filtering, IEEE802.1X, SNMPv3, SSL (HTTPS, IPPS), Dual Network Support Security (wireless): Infrastructure Mode: WEP(64/128 bit), WPA-PSK(TKIP/AES), WPA2-PSK(TKIP/AES), WPA3-SAE (AES), WPA-EAP (AES), WPA2-EAP (AES), WPA3-EAP (AES) Access Point Mode: WPA2-PSK(AES) Wi-Fi Direct Mode: WPA2-PSK (AES)
Software and Printer Management	Remote User Interface (RUI), Remote Operation Viewer, Department ID Management, Toner Status Tool, iW Enterprise Management Console: Server-based software for centralised management of a fleet of devices eMaintenance: embedded RDS allows remote eMaintenance services such as meter capture, automatic consumables management and remote diagnostics. Content Delivery System: Server platform enables automatic firmware update to the device. uniFLOW online / uniFLOW online Express / uniFLOW compatibility
Operating Systems Compatibility	Windows® 11 / Windows® 10 / Windows® 8.1 / Server® 2022 / Server® 2019 / Server® 2016 / Server® 2012R2 / Server® 2012 / Mac OS X version 10.12 & up Linux[6]

CONSUMABLES

All-in-One cartridges	Toner Cartridge 053H Black (33,000 pages[7])[8] Toner Cartridge 053H Cyan/Magenta/Yellow (32,000 pages[7])[8] Drum Cartridge 053 (70,000 pages[7])[8]

ACCESSORIES/ OPTIONS

Items	Barcode Printing Kit-D1 (Enables barcode printing capability) PCL Font Set-A1 (Enables Unicode printing capability on SAP and supports Andale font) MiCard Multi (Card reader for identification with RFID or magnetic cards with uniFLOW) Micard Plus (Card reader for identification with RFID or magnetic cards with uniFLOW) Paper Feeder PF-G1 Cassette Feeding Unit-AU1 Banner Print Kit B1

Notes:

[1] 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

[2] Accessory - Barcode Printing Kit-D1 - is required

[3] Declared noise emission in accordance with ISO 9296

[4] A Canon PCL5c driver is not supplied, however PCL5c commands are supported on the device.

[5] Accessory - PCL FONT SET-A1 - is required

[6] Web distribution only. Driver will be available in 1H, 2023

[7] Based on ISO/IEC 19798

[8] Printer ships with starter cartridge (Black: 15,500pages, Cyan/Magenta/Yellow: 13,500pages), Drum Cartridge (70,000 pages)

[9] As per US ENERGY STAR® version3.0. Inaudible means that the emission sound pressure level for a bystander is lower than absolute standard for background noise in accordance with ISO 7779

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Software & Solutions

Compatibility