

DP-1820E / DP-1820P

flexible

“office power tool”

- Up to 18 cpm /18 ppm digital copying and printing
- Standard Network Printing / Document Manager Software
- 600 dpi High-speed Network Scanning Capability
- Internet Fax / “Scan-to-Email”, Super G3 Fax Capability
- Standard Duplex Unit (DP-1820E)

Panasonic ideas for life



WORKiO

WORKiO for every office

Welcome to the world of WORKiO digital imaging platforms where digital communications and imaging technology converge. Empowering your business with more versatility, higher reliability, greater ease of use and expanded network connectivity, WORKiO is the "office power tool" for your business, and the DP-1820E/DP-1820P is no exception.



WORKIO – Fits eas

compact, networkable workgroup solution

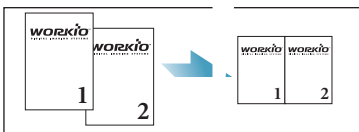


Combining copier and printer functions in a single device, the DP-1820E/1820P is a practical, cost-effective solution for office document copying and printing. It is ready to serve as a **network printer**. Its compact footprint fits into a desktop corner, saving valuable office space. As with all WORKIO products, it offers maximum ease of use. ■

“wingless” for true compactness

By moving the output tray “inside” and eliminating protruding paper trays, WORKIO’s small footprint represents virtually all the space required for setup.

high-speed digital copier



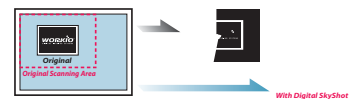
2-in-1 Copying

This handy feature saves paper by fitting two reduced images on one sheet.



Image Rotation

No matter the orientation of the original, this feature delivers accurate copies.

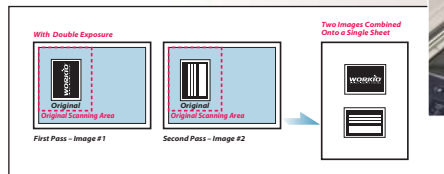


Digital SkyShot

By making a copy with the cover open, this convenient function eliminates annoying black borders that also waste toner.

The DP-1820E/1820P quickly copies at up to 18 ppm with sharp 600 dpi resolution, automatic input and output, and improves efficiency with **Double Exposure**, **2-in-1 Copying**, and **Image Rotation**. An Automatic Document Feeder (ADF) and an Inverting Automatic Document Feeder (iADF)* are available as options to accelerate copying of multi-page documents. Without standard electronic sorting, you won't have to hand-sort those larger copy jobs. With 600 dpi resolution and a 256 level gray scale, the DP-1820E/1820P provides consistent copy quality by monitoring and adjusting for room temperature and humidity conditions. ■

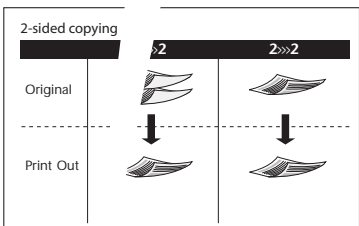
* Available only for DP-1820E



Double Exposure **WORKIO Original**

By selecting the Double Exposure key located on the control panel, users can make quality copies of double-sided documents on a single sheet of paper without the black borders, even if the platen cover is open. This is especially convenient for copying small double-sided originals such as ID and insurance cards, checks, and receipts.

duplex versatility (DP-1820E)



Duplex capability is standard on the DP-1820E, enabling copying, printing and faxing on both sides of the paper for higher productivity and economy. Used in combination with the optional Automatic Document Feeder (ADF), the user can stack single-sided originals in the document feed and obtain half the number of sheets of two-sided copies. An optional inverting Automatic Document Feeder (iADF) lets users stack two-sided originals and automatically obtain two-sided copies. ■

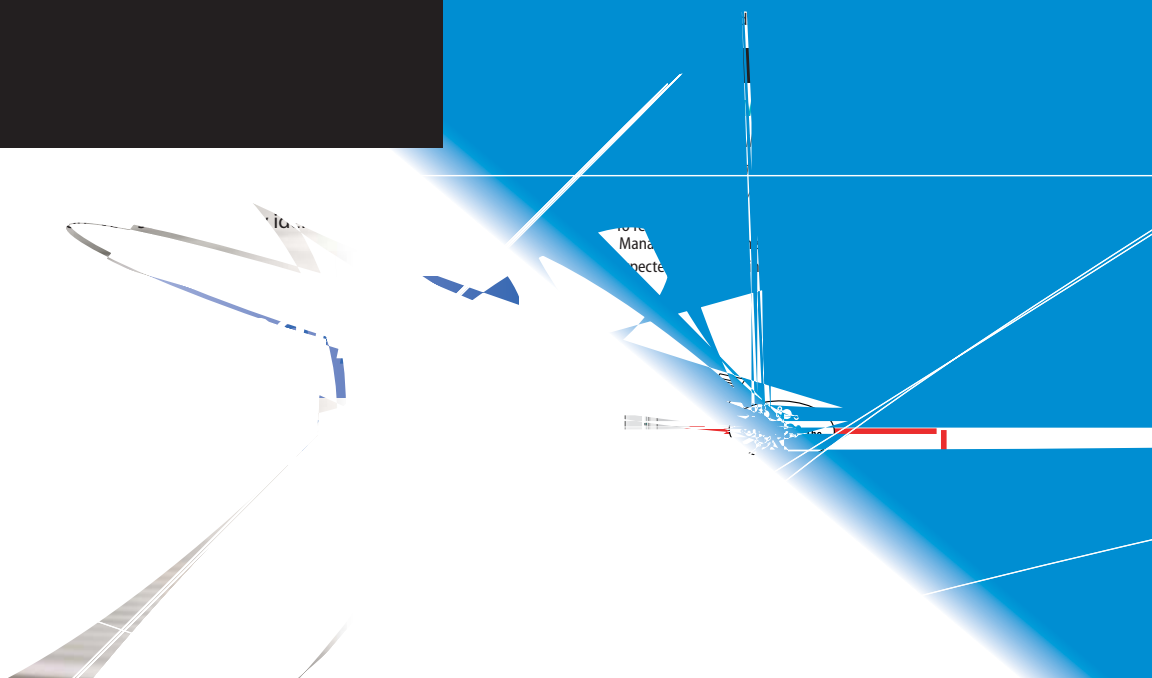
Integrating the multiple functions of copier DP-1820E/1820P will add a new dimension of efficiency to this digital imaging platform an indispensable

high-speed network ready ledger-size printer

When connected to your office LAN via the standard Ethernet port, the DP-1820E/1820P serves as a high-speed, high-quality printer for ledger (11 x 17") size. Even while quickly performing high-resolution printing, it maintains 1,200 dpi equivalent x 600 dpi*¹ image quality. This

ledger size into high resolution becomes a powerful feature gives you

the cost
your

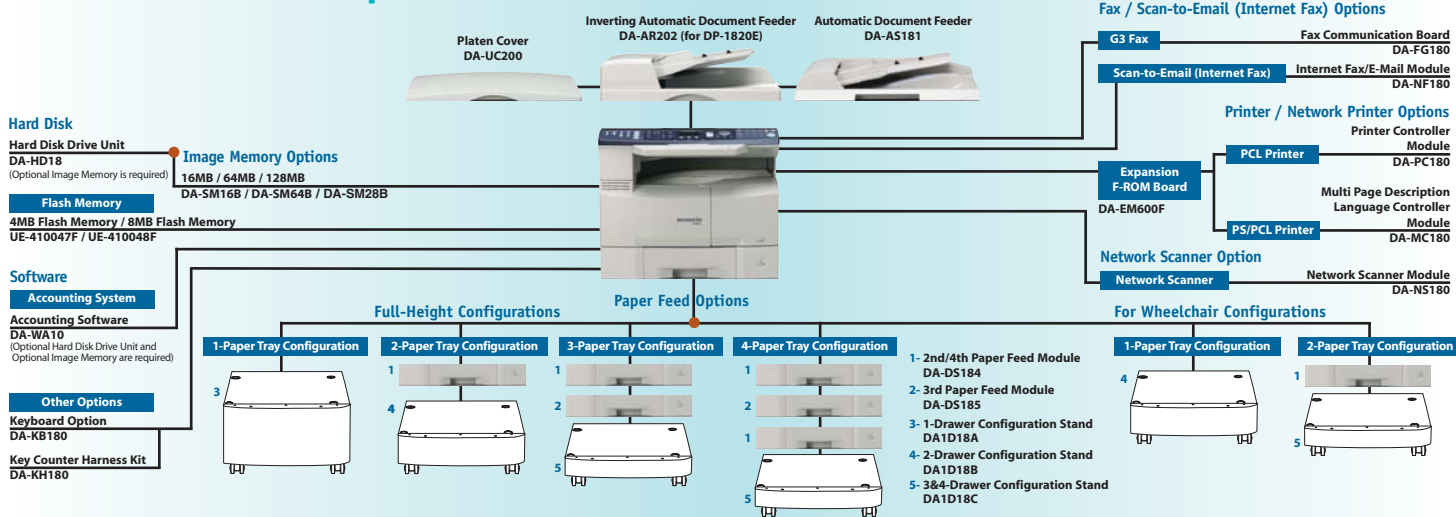






Options and Specifications

DP-1820E/DP-1820P Options



DP-1820E/DP-1820P Specifications

General	
Type	Desktop
Copy / Print Process	Laser Indirect Electrostatic
Developing Process	Dry Dual Component
Automatic Document Feeder (Option)	50 sheets (Letter, 20 lb, 75 g/m ²) for DP-1820E, DP-1820P
Inverting Automatic Document Feeder (Option)*1	50 sheets (Letter, 20 lb, 75 g/m ²) for DP-1820E
Paper Feed	550-sheet paper tray x 1 + 50-sheet bypass Max. 2,250 sheets with option
Paper Weight	Paper Tray: 16 to 24 lb (60 to 90 g/m ²) Bypass: 15 to 34 lb (55 to 133 g/m ²)
Automatic Duplex Unit*1	Standard for DP-1820E
Power Requirements	AC 120, 60 Hz, 12A
Power Consumption	Max.: Less than 1.3 kW Power saver mode: Approx. 19 W Sleep mode: Approx. 8.5 W
Warm-up Time	Approx. 30 sec. (Main power switch ON) Approx. 30 sec. (Sleep mode)
Dimensions (W x D x H)*2	22.0" x 21.9" x 18.1" (558 x 557 x 460 mm)
(H = Height To Platen Glass)	(Excluding optional equipment)
Weight*2	DP-1820E approx. 95.5 lb (43.3 kg) / DP-1820P approx. 93.3 lb (42.3 kg) (Excluding optional equipment)
Digital Copier	
Resolution	600 x 600 dpi
Gray Scale	256 steps
Multi Copy Speed*3	Up to 18 cpm
Maximum Original Size	Ledger
Copy Size	Ledger-Invoice
Copy Ratio	Enlargement (fixed) 200 %, 155 %, 129 %, 121 % Reduction (fixed) 79 %, 77 %, 65 %, 61 %, 50 %
Zoom (variable)	50-200 % (in 1 % increments)
Multiple Copy	1 to 999, Automatic reset to 1
Exposure Control	Text, Text/Photo, Photo
Sort Memory (Standard)	16 MB
(Option)	Base Memory plus 16 MB / 64 MB / 128 MB 12 GB (with optional 40 GB HDD)

Printer	
Network Printer Interface	Ethernet 10Base-T/100Base-TX
Communication Protocol	TCP/IP, LPD (LPR), IPP*9, AppleTalk (PS), SNMP, DHCP
Local Printer Interface	USB 1.1
Printer Language (Standard)	Panasonic Printing System for Windows®
(Option)	PCL 5e Emulation, PCL 6 Emulation Adobe® PostScript®3™
Printing Speed*3	Up to 18 ppm
Paper Size	Paper Tray: Ledger-Invoice Bypass: Ledger-Envelope (#10)
Printing Resolution	1,200 dpi equivalent x 600 dpi (PCL, PS) 600 dpi x 600 dpi, 300 dpi x 300 dpi (GDI, PCL, PS)
Printer Memory	20 MB
PCL/PS Spool Memory	6 GB with optional 40 GB HDD
Compatible Client Operating Systems	Windows® XP/2000/Server 2003*4, 98, Me, Windows NT® 4.0 MacOS 8.6-10.2*4
Compatible Network Operating Systems	Windows NT 4.0, Windows 2000/Server 2003*4, Unix (LPR)*5, Linux (LPR)*5
Network Scanner (Option)	
Network Scanner Interface	Ethernet 10Base-T/100Base-TX
Maximum Scanning Size	Ledger
Scanning Resolution	150 dpi x 150 dpi, 300 dpi x 300 dpi, 600 dpi x 600 dpi
Scanning Speed*7	Approx. 1.1 sec. (Letter portrait in 150 dpi x 150 dpi, 300 dpi x 300 dpi from ADF)
Coding Scheme	JBIG / MMR / MR / MH
Data Format	TIFF, PDF
G3 Fax (Option)	
Compatibility	ITU-T Group 3, ECM
Modem Speed	33.6 kbps
Coding Scheme	JBIG / MMR / MR / MH
Scanning Speed*7	Approx. 0.7 sec. (Letter portrait in Standard or Fine mode)
Transmission Speed*8	Approx. 2.7 sec.
Scanning Resolution	Standard: 203 dpi x 98 lpi (8 dots/mm x 3.85 lines/mm) Fine: 203 dpi x 196 lpi (8 dots/mm x 7.7 lines/mm) Super Fine: 406 dpi x 391 lpi (16 dots/mm x 15.4 lines/mm) 600 dpi: 600 dpi x 600 dpi
Effective Scanning Width	Ledger (11 1/2")
Recording Resolution	600 x 600 dpi
Standard Memory*9	2 MB (approx. 120 pages)
Optional Memory*9	Base memory plus 4 MB (220 pages) / 8 MB (640 pages)
Speed Dials	1032 (abbreviation + optional keyboard + optional HDD)
Internet Fax/Scan-to-Email (Option)*10	
Compatibility	IETF RFC 2305, ITU-T 3.7
Communication Protocol	TCP/IP, SMTP, POP3, MIME, LDAP, DNS
Network Connectivity	Ethernet 10Base-T/100Base-TX (IEEE 802.3)
Data Format	TIFF (Profile S/F/J), PDF*11



Notes

*1 Available only for DP-1820E.
 *2 Dimensions and weight are approximate.
 *3 Speeds are contingent, among other things, upon applications, machine configuration, and status. Individual speeds may vary.
 *4 Multi Page Description Language Controller Module option required.
 *5 Printer Controller Module or Multi Page Description Language Controller Module option required.
 *6 Expected availability in the 3rd quarter of 2004.
 *7 Scanning speed applies to the feeding process from the top to the end of a single page test chart. The time for the feeding process does not include the time that it takes for the top edge of the page to reach the scanning point and page ejection. Time for entire storing process is not applied.
 *8 Transmission time applies to memory transmission of text data using only ITU-T Image No.1 between the same models at maximum modem speed. Transmission time may vary in actual usage. Usually public telephone lines can only support communication speeds of 28.8 Kbps or lower. Via PBX, transmission speed may fall back to a lower speed.
 *9 Based on ITU-T Image No. 1 scanned in Standard mode.
 *10 Depending on the receiving machines capability, the document may not be correctly printed depending on the chosen resolution and document size.
 *11 I.37 Internet Fax only supports TIFF format.

Design and specification are subject to change without notice. Not all options may be available at the time of notification.

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ISO 9001 Quality Management System
 Our business processes which produce document, information and network products, from manufacturing to marketing, conform to ISO9001 Quality Management Systems standard. Design, development, manufacture, installation, repair and maintenance of document, information and network products, their associated devices and consumables. In addition, the plants outside Japan have acquired ISO9001 certification.



As an Energy Star® Partner, Panasonic has determined that this product meets the Energy Star® Guidelines for energy efficiency.