

NEW

4-inch thermal transfer desktop printer

ARGOX
a SATO company

P4-650



600 dpi superior label printing on desktop printer



In order to fulfill customer's need for a superior label printing, Argox developed P4-650 600dpi desktop printer. The high-resolution printing quality meets the market demand for top-quality labels.

Application



Electronic components



Cosmetics



Medical examination



Apparel industry

Product features



High-resolution printing quality

P4-650 offers 600 dpi printing quality, suitable for small labels usages such as printed circuit board or chips.



Precise printing position

With excellent label calibration, P4-650 supports 3mm x 3mm small abreast label precision printing.



High printing speed

Featuring 4ips maximum printing speed. No compromised printing quality even run at the maximum speed.



Support 0.5" & 1" ribbon core

Provide 0.5" & 1" two different ribbon core to adopt various ribbon rolls for customer's choice.

Print Specifications		P4-650
Printing Method	Direct Thermal & Thermal Transfer	
Printing Resolution	600 dpi (24 dots/mm)	
Printing Speed	Max. 4ips (101.6mm/s); Max. 3ips (76.2mm/s) for peel off mode	
Printing Length	Max. 30" (762mm)	
Printing Width	Max. 4.16" (105.7mm)	
Memory	32 MB SDRAM, 16MB Flash ROM (USB storage up to 32GB)	
CPU Type	32 bit RISC microprocessor	
Consumables Specifications		
Sensors	Reflective sensor x 1 (movable) & Transmissive sensor x 1 (fixed, 6.27mm offset)	
Media Type	Roll-feed, die-cut, continuous, fan-fold, black mark, tags, ticket in thermal paper or plain paper	
Media	Max. width: 4.65" (118mm). Min. width: 0.88" (22.4mm). Thickness: 0.0024"~0.0075" (0.06mm~0.19mm) 5"(127mm) OD on a 1"/1.5" (25.4/38 mm) ID core; Dealer Option external media stand 8" OD on 1"/3" ID Core	
Ribbon	Ribbon width: 1.6"~4.33"(40 mm~110mm), Ribbon length: max 300m. Core size ID 1"(25.4 mm) or 0.5"(12.7mm) Wax, Wax/Resin, Resin (Ribbon wound ink-side out or ink-side in: auto-detect)	
Fonts & Symbolologies		
Fonts	Internal character sets standard 5 alpha-numeric fonts from 0.049"H ~ 0.23" H (1.25mm ~ 6.0mm) Internal fonts are expandable up to 24x24 4 direction 0 ~ 270 rotation Soft fonts are downloadable Ability to print any Windows True Type font easily. Support scalable font	
1D Barcodes	PPLA: Code 39, UPC-A, UPC-E, Code 128 subset A/B/C, EAN-13, EAN-8, HBIC, Codabar, Plessey, UPC2, UPC5, Code 93, Postnet, UCC/EAN-128, UCC/EAN-128 K-MART, UCC/EAN-128 Random weight, Telepen, FIM, Interleaved 2 of 5, GS1 Data bar (RSS) PPLB: Code 39, UPC-A, UPC-E (Standard, 2 /5digit add-on), Matrix 2 of 5, Interleaved 2 of 5, Code 39 with check sum digit, Code 93, EAN-13, EAN-8 (Standard, 2 /5digit add-on), Codabar, Postnet, Code128 subset A/B/C, Code 128 UCC (shipping container code), Code 128 auto, UCC/EAN code 128 (GS1-128), German Postcode, GS1 Data bar (RSS) PPLZ: Code39, UPC-A, UPC-E, Postnet, Code128 subset A/B/C, Interleave 2 of 5, Code 93, MSI, EAN-8, Codabar, Code 11, EAN-13, Plessey, GS1 Data bar (RSS), Industrial 2 of 5, Standard 2 of 5, Logmars	
2D Barcodes	MaxiCode, PDF417, Data Matrix (ECC 200 only), QR code, Composite Codes, Aztec	
Graphics	PPLA: PCX, BMP, IMG, HEX,GDI; PPLB: PCX, BMP, Binary raster, GDI; PPLZ: GRF, Hex, GDI	
Emulation	PPLA, PPLB, PPLZ	
Interface Characteristics and Integration		
Operation Interface	LED Indicator x 2, Button(Feed) x 1	
Communication Interface	USB device, RS-232, Ethernet, USB host	
Drivers	Windows Driver Win7/Win8/Win10/Win11, LINUX Driver, macOS Driver, Raspberry Pi Driver	
Software	BarTender, Printer Tool, Font Utility	
Application	iLabelPrint	
Database Link	Argobar Pro support ODBC Database Connection: Excel, CSV, MS Access, MS SQL, Oracle MySQL, dBASE (*.dbf)	
Operating & Environment Characteristics		
Power Source	Universal Switching Power supply. AC input voltage: 100~240V, 50~60Hz. DC Output: 24V, 3.75A	
Operation Environment	Operation Temperature: 41°F~104°F (5°C~40°C), 0% ~ 90% non-condensing, Storage Temperature: -4°F~140°F (-20°C~60°C)	
Agency Listing	CE, FCC, cULus, RoHS, RCM, CB, BIS	
Physical Characteristics		
Printer Dimensions	W 220.6mm x H 187.5mm x D 278.5mm	
Printer Weight	5.28 lbs (2.4 kg)	

*Argox reserves the right to enhance and modify the specification without prior notice.
Please check Argox sales representative for most updated specifications.

Optional Items



Full/partial cutter,
guillotine-type



Peeler



WLAN



Bluetooth v2.1
Support BT 2.1
on Android
connectivity



External media
stand

ACRC
ARGOX Certified Repair Centers

Consult your local Argox business
partners for location and contacts.



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