

MODEL 1101

RUGGED COLOR INKJET PRINTER



The Model 1101 is the second generation Rugged COTS color inkjet printer which utilizes a highly-ruggedized commercial off-the shelf print engine. This printer saves time and resources with rapid start up times, print speeds up to 18 ppm, accepts multiple paper sizes, and optimizes photo quality printing.

This printer is designed to meet numerous military specifications. The lightweight and rigid enclosure coupled with the low power consumption make this unit ideal for a variety of high-reliability and harsh environment applications. Standard features include 18-36 VDC or 110-220 VAC input power. Various I/O and connectorization options are available, custom mounting schemes, and paint color and texture options abound. A "Short" model is also available which reduces depth from roughly 24" to 17". Contact Nova Integration Solutions for more information.

NASA has selected the 1101 for duty aboard the specially-configured 747 that ferries the Space Shuttle from Edwards Airforce Base (CA) to Cape Kennedy (FL).

For further ruggedization and options, NIS recommends the Model 1151 MIL-Grade Inkjet Printer. This model utilizes a more robust internal shock/vibration platform, a more aggressive EMI filter, improved power supply design, heater options, ARINC shock tray mounting, and more.

For more information on our wide range of capabilities, products, and services, please visit our web site at: www.novaintegration.com

- › **Compact, Light-Weight Design**
- › **Tabletop Mounting**
- › **1200 x 600 dpi Optimized Photo-Quality Color Printing**
- › **18ppm Black / 10ppm Color (ISO)**
- › **Ethernet and USB Interfaces Via Rugged Military Circular Connectors**
- › **Designed to meet:**
 - MIL-STD-810F Shock**
 - MIL-STD-810F Vibration**
 - MIL-STD-461E EMI/EMC**
- › **Very Low Power Consumption**
- › **Standard 110/220 VAC or 18-32 VDC Power Input**
- › **Automatic Duplex Printing**
- › **Optional "Short" Model for Space Challenged Applications**
- › **256MB Installed Internal Memory**



ENVIRONMENTAL CHARACTERISTICS

Temperature, operating	5°C to +50°C
Temperature, non-operating	-20°C to +70°C
Humidity	10% to 95% RH, non-condensing
Altitude, operating	-1,500 ft. to 15,000 ft.
Altitude, non-operating	-1,500 ft. to 40,000 ft.
Vibration, operating	Designed to meet MIL-STD-810G, Method 514.6, Proc. I
Vibration, non-operating	Designed to meet MIL-STD-810G, Method 514.6, Proc. I, Secured Cargo, Basic Transportation
Shock, operating	Designed to meet MIL-STD-810G, Method 516.6, Proc. I
Shock, non-operating (Bench Handling)	Designed to meet MIL-STD-810G, Method 516.6, Proc. V & VI
Inclination	0° to 30° in any axis
EMI/EMC	Designed to meet selected emission criteria per MIL-STD-461E
ESD	MIL-STD-1686A
Grounding and bonding	MIL-STD-464 & BAC5117-1
Sand and Dust	Highly resilient

PHYSICAL CHARACTERISTICS

Dimensions	8.8" H x 19.21" W x 24.35" D
Weight	38 lbs.
Mounting	Tabletop

ELECTRICAL CHARACTERISTICS

Input Power (standard)	90-264 VAC @ 50/60Hz 18-32 VDC
Power Consumption	Printing 25W Standby 4W Deep Sleep <1W
Data Interface	Ethernet via RJ45 D38999 USB 2.0 via USBFTV D38999

PERFORMANCE CHARACTERISTICS

Resolution	600 x 1200 dpi
Print Speed	18 ppm black / 10 ppm color
Duplex Printing	Automatic
Memory	256MB Installed
Languages and Fonts	HP PCL 6 GUI, PCL 3 Enhanced
Paper Sizes	Letter (8.5" x 11") & A4
Paper Input	225-sheet input tray
Processor	500 MHz

ORDERING TABLE

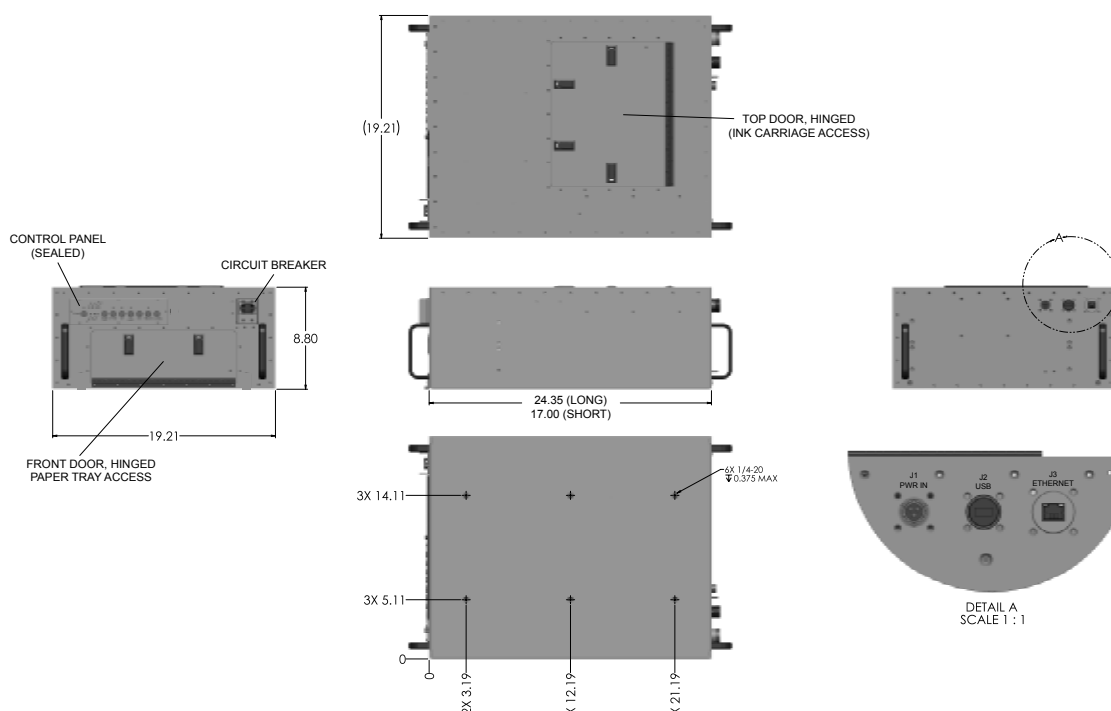
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MOUNTING	POWER	HEATER	DEPTH	CONFIG
0 Tabletop	5 110-220VAC 8 18-32 VDC	0 None	0 Long 24" 1 Short 17"	1 Standard x Customer Specific

Contact factory for additional configurations and options

CONSUMABLES

56-100012-100	High capacity black ink cartridge, HP 934XL
56-100012-101	High capacity cyan ink cartridge, HP 935XL
56-100012-102	High capacity magenta ink cartridge, HP 935XL
56-100012-103	High capacity yellow ink cartridge, HP 935XL

OUTLINE DRAWING



* Products may vary from the specifications and images depicted within this document and are subject to change without notice. Nova Integration Solutions tak Please contact Nova integration Solutions for further information about our products.

