NOVA INTEGRATION SOLUTIONS

1000 SERIES

Rugged & Mil-Spec Printers

MODEL 1250

Military Grade Wide Format Inkjet Printer

Model 1250 is NOVA's wide format, military-grade color inkjet printer capable of printing up to 11" x 17" sheets. Following the design concepts of the tested and flight-qualified Model 1150 Printer selected by Boeing for deployment aboard the P-8I Multimission Aircraft, the 1250 is designed to meet the same MIL standards for EMI/EMC, power transients, shock, vibration, crash acceleration, temperature and humidity to include sand and dust.

The 23.6 Short printer is specifically designed for space challenged applications and is the compact version of the Model 1250 - 30" Long.

From a performance perspective, Model 1250 is rated at 33 pages-perminuted in black mode, up to 29 pages-per-minute in color mode, and uses standard HP ink cartridges. Power consumption is approximately 25 Watts when printing and a mere 2 Watts in standby mode.

Standard I/O interfaces include USB 2.0 and Ethernet (10/100 Base-T). through the Amphenol RJFIELD and USBFIELD connector series.

Available options include heater circuitry for extended temperature operation, conformal coating, front panel indicators, sealed housing for environmental rating, I/O connectors, custom mounting, and customer defined paint colors and silk screening.

Continued availability of the HP engine and parts up to five (5) years after their announced discontinuation is assured by NOVA's EOL program.

*In the short configuration, to print on 11x17 paper the front door must remain open and the paper tray extended past the front panel opening. While printing on 11x17 paper the printer will not meet the operational shock/vibration specs as well as EMI/EMC and sand/dust.

For more information visit our web site: www.novaintegration.com

- **"Long" (30.1") and "short" (23.6") configurations to support space challenged applications**
- **Wide format printing up to 11" x 17"**
- **4800 x 1200 dpi optimized photo-quality color printing**
- **Up to 33ppm black / 29ppm color**
- **Ethernet and USB interfaces standard**
- **Designed-to-meet:**
  - **MIL-STD-810G Shock**
  - **MIL-STD-810G Vibration**
  - **MIL-STD-461F EMC/EMI**
  - **MIL-STD-1686A ESD**
- **Print engine is internally shock/vibration isolated**
- **Tabletop or shock tray mounting**
- **Very low power consumption**
- **Standard 90-264 VAC 47-440Hz, 18-32VDC or custom power input options available**

ISO 9001 BUREAU VERITAS Certification
Certificate Number: 191482

Environmental Characteristics

Temperature, operating	0°C to +50°C -20°C to +50°C w/ optional heater
Temperature, non-operating	-40°C to +85°C w/ ink cartridges removed
Humidity	RTCA/DO-160F, Section 6.3.1, Category A 6% to 95% RH non-condensing
Low pressure	MIL-STD-810F, Method 500.4, Procedures I and II (atmospheric pressure corresponding with -1,500 ft.)
Rapid Decompression	MIL-STD-810F, Method 500.4, Procedure III from 8,000 ft. up to 41,000 ft. in 15 seconds
Altitude, operating	-1,500 ft. to 15,000 ft.
Altitude, non-operating	-1,500 ft. to 40,000 ft. w/ ink cartridges removed
Vibration, operating	MIL-STD-810F, Method 514.5, Procedure I, Cat 8 Wheeled Vehicle, US Army CHS-3 profile
Vibration, non-operating	MIL-STD-810G, Method 514.6, Procedure I, secured cargo, basic transportation
Shock, operating	MIL-STD-810F, Method 516.5, Procedure I (functional shock for wheeled vehicles)
Shock, non-operating (Bench handling)	MIL-STD-810F, Method 516.5, Procedures VI
Transportation	MIL-STD-810F, Method 516.5, Procedure IV, Transit Drop
Explosive Atmosphere	MIL-STD-810F, Method 511.4, Procedure I (up to 11,000 ft.)
Crash Acceleration	MIL-STD-810F, Method 516.5, Procedure V (16G limit)
Inclination	0° to 30° in any axis
EMI/EMC	MIL-STD-461E, CE101, CE102, CS101, CS102, CS114, CS115, CS116, RE101, RE102, RS101 & RS103
ESD	DO-160E, Section 25 (20 contact points)
Sand and Dust	MIL-STD-810F, Method 510.4, Procedure I, II & III
Grounding & Bonding	MIL-STD-464 & BAC5117-1

Physical Characteristics

Dimensions, "Short"	10.46" H x 24.04" W x 23.6" D
Dimensions, "Long"	10.46" H x 24.04" W x 30.1" D
Weight	48 lbs. ("Short" configuration) 52 lbs. ("Long" configuration)
Mounting	Tabletop or ARINC shock tray

Electrical Characteristics

Input Power (standard)	90-264 VAC @ 47-440 Hz
Input Power (optional)	18-32 VDC
Power Consumption	Printing 30W / Standby 2W
Power Transients	MIL-STD-704E & MIL-STD-1275D
Data Interface	10/100 Ethernet via RJFTV D38999 USB 2.0 via USBFTV D38999

Performance Characteristics

Resolution	Up to 4800 x 1200 dpi color 600 x 1200 dpi black
Print Speed	29 ppm color / 33 ppm black
Memory	128MB (non-expandable)
Languages and Fonts	HP PCL 3 GUI, HP PCL 3 Enhanced
Paper Sizes	Letter, legal, executive, tabloid, envelopes Up to A3, A4, A5, A6, B5
Paper Input	250-sheet input tray
Operating System	Windows 8, 7, VIsta, XP Mac OS X, Linux

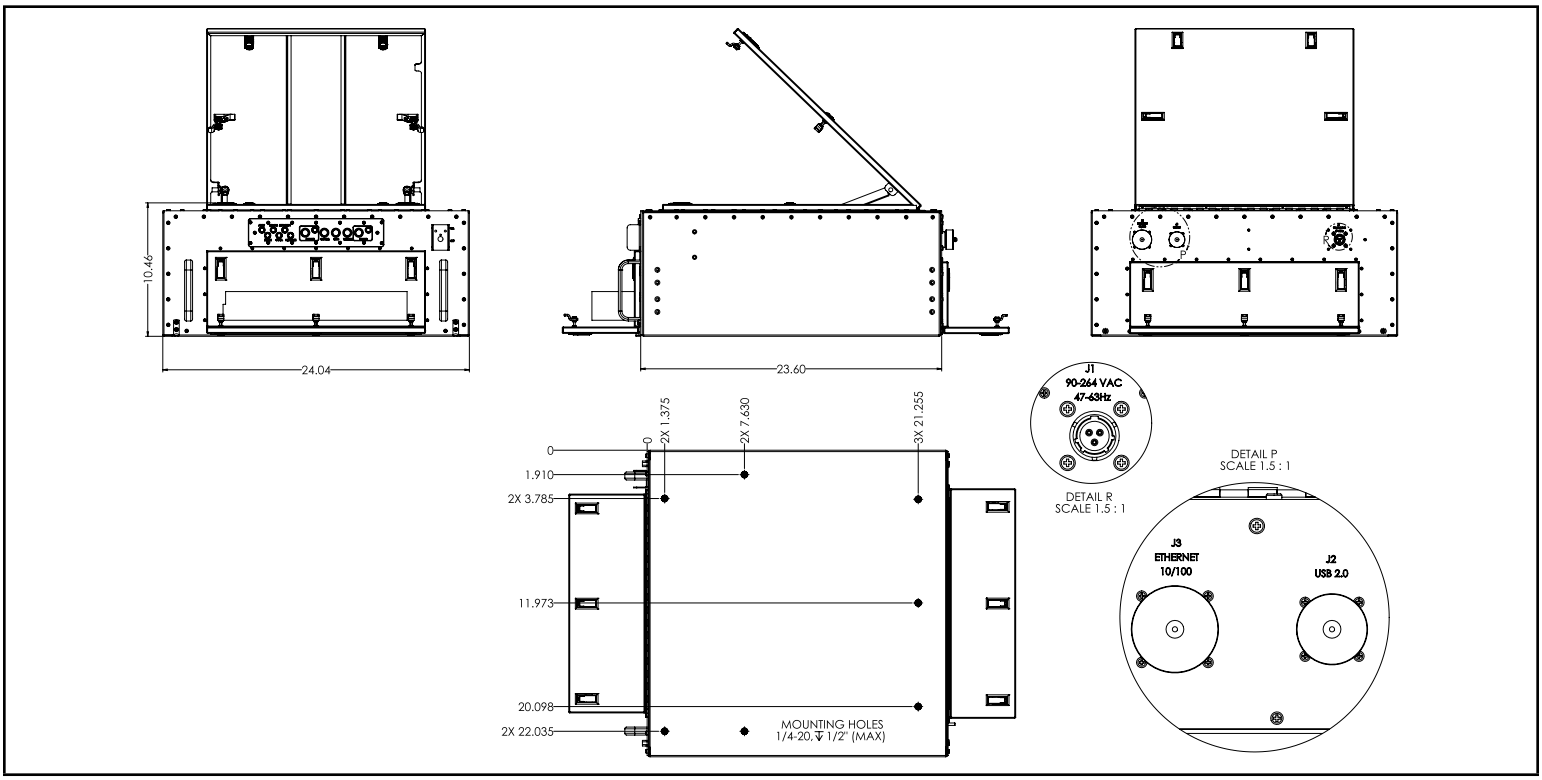
Ordering Table

95-1250-MPHL0-00X

MOUNTING	POWER	HEATER	LENGTH	CONFIG
0 Tabletop	6 110-220VAC 47-440 Hz	0 None	0 Short 23"	1 Standard
4 Shock Tray	8 18-32 VDC	1 Installed	1 Long 31"	x Customer Specific

Contact factory for additional configurations and options

Outline Drawing - "Short" Configuration



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