P3 PowerPort 1500

The P3 PowerPort 1500 is an integrated power supply and data processor for the Martin™ range of creative LED video products, including the VDO Sceptron™, Exterior PixLines™ ,VC-Grids™, VC-Strips™ and VC-Dots™. When driven by one of Martin's award-winning P3™ System Controllers, it combines stable power delivery with high-speed, high-capacity video processing. Setup and configuration are easy and intuitive.

Indoor power and data processor for all Martin™ creative LED video products

Flexible integration: can be located remotely from video display products

Easy cabling and configuration

FEATURES

TECHNICAL SPECIFICATIONS

Physical
Depth: 335 mm (13.2 in.)
Width: 482 mm (19.0 in.)
Height (rackmount 2U): 88 mm (3.5 in.)
Weight: 10 kg (22.1 lbs.)

Control and Programming
Addressing and status: Via P3 System Controller
Mapping: Via P3 System Controller
Firmware update: Via P3 System Controller

Control/User Interface
Device status: Multicolor status LED
Power output status: Four LEDs
Data output status: Four LEDs
Device test and reset: Pushbutton to call up local test patterns and reset device

P3 Signal Protocol
Signal type: Gigabit Ethernet
Protocol: Proprietary Martin P3
Hot pluggable: Yes, electrically isolated at all connections
Cable type: Ethernet, CAT 5e or better
Cable length: Up to 100 m between any 2 devices, extendable with Ethernet switch

System integration
VC-Dot™ family via VC-Feeder™
Exterior PixLine™ family
VDO Sceptron™ family
VC-Grid™ family
VC-Strip™ family
Exterior Dot-HP™ family

Construction
Housing: Steel and aluminum
Color: Matt black
Protection rating: IP20

Installation
Mounting: 19-inch rackmount, wall mount, flown from rigging clamps

Connections
Power input: Neutrik PowerCon
P3 data in/out: Two Neutrik Ethercon RJ-45 sockets
Combined power & data out: Four 4-pin female XLR sockets (hybrid power & data cable)

Electrical
AC power: 100-240 V nominal, 50/60 Hz
Power supply units: Auto-ranging electronic switch-mode
Main fuses: 10 AT (slow blow) x 4
Typical total power consumption: 1540 W (including full load of connected display

devices, all at full intensity)

Thermal
Cooling: Filtered forced air (temperature-regulated, low noise)
Maximum ambient temperature (Ta max.): 45° C
Minimum ambient temperature (Ta min.): -20° C
Total heat dissipation (calculated, +/- 10%): 530 BTU/hr. (not including display devices but with system at full load)

Approvals
EU safety: EN 60950
EU EMC: EN 55103-1, EN 55103-2, EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3
US safety: ANSI/UL 60950-1
Canadian safety: CSA C22.2 No. 60950-1

Included Items
Mounting brackets incl. screws
Safety cable attachment eyelet
Please note that a power input cable is not supplied with the product and must be ordered separately (see Accessories)

Accessories
Air Filters 60x60, Set of 10: P/N 50404543
Power Cable, H07RN-F, PowerCON-to-PowerCON, 1.2 m (4.0 ft.): P/N 91611798
Power Cable, H07RN-F, PowerCON-to-PowerCON, 2.5 m (8.2 ft.): P/N 91611799
Power Cable, H07RN-F, PowerCON-to-bare ends, 1.5 m (5.0 ft.): P/N 91611800
Power Cable, H07RN-F, PowerCON-to-bare ends, 5 m (16.4 ft.): P/N 91611801
Power Connector, Neutrik PowerCON NAC3MCA, male, cable mount: P/N 91611795
Power Connector, Neutrik PowerCON NAC3FCA, female, cable mount: P/N 91611794

Rigging hardware
G-clamp: P/N 91602003
Half-coupler clamp: P/N 91602005
Quick trigger clamp: P/N 91602007

Related Items
Martin P3-050™ System Controller: P/N 90721090
Martin P3-100™ System Controller: P/N 90721010
Martin P3-150™ System Controller: P/N 90721015
Martin P3-200™ System Controller: P/N 90721020
Martin P3-300™ System Controller: P/N 90721060
Martin P3-PC™ System Controller: P/N 90721030

Ordering Information
Martin P3 PowerPort 1500™: P/N 90721040