

P3 PowerPort 1000 IP Rental



The P3 PowerPort 1000 IP Rental is an integrated power supply and data processor for Martin's rental range of creative LED video products, including the VDO Sceptron™ 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. A full outdoor rating with robust IP65-rated connectors make the product perfect for outdoor rental installations.

Power and data processor for all Martin's rental market creative LED video products

Flexible integration: can be located remotely, indoors or outdoors

Easy cabling and configuration

GALLERY



FEATURES

- P3 image processing technology
- Set-up and addressing via P3 System Controller family
- No local configuration needed
- P3 input and thru to allow daisy-chaining
- 4 hybrid power/data output ports
- Truss-mountable or free-standing
- Can be located up to 50 m away from the creative LED video products
- IP65

TECHNICAL SPECIFICATIONS

Physical

Length: 520 mm (20.5 in.)
Width: 460 mm (18.2 in.)
Height: 146 mm (5.8 in.)
Weight: 8.5 kg (18.8 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
Status LEDs and pushbutton can be disabled remotely if required:

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 (328 ft.) between any 2 devices, extendable with Ethernet switch or conversion to fiber

System integration

VC-Dot™ family via VC-Feeder™
Exterior PixLine™ family
VDO Sceptron™ family

VC-Grid™ family (indoor product)
VC-Strip™ family (indoor product)
Exterior Dot-HP™ family

Construction
Protection rating: IP65
Housing: Aluminum
Color: Matt black
Effective Projected Area (EPA): 0.22 m²
RoHS compliant

Installation
Mounting: Flown from rigging clamps or free-standing
Orientation: Any, except with connectors facing up or lid facing down

Connections
Power input: Neutrik PowerCON TRUE1
P3 data in/out: Neutrik EtherCON Cat 6
Combined power & data out: Four 6-pin custom (BBD) IP66-rated sockets

Electrical
AC power: 120-240 V nominal, 50/60 Hz
Power supply units: Auto-ranging electronic switch-mode
Typical total power consumption: 1000 W (including full load of connected display devices, all at full intensity)
Typical half-cycle RMS inrush current at 230 V, 50 Hz: 20.9 A
Total power consumption in idle state (at 25° C, all connected devices powered off): 22 W

Thermal
Cooling: Convection
Maximum ambient temperature (Ta max.): 55° C
Minimum ambient temperature (Ta min.): -30° C
Total heat dissipation (calculated, +/- 10%): 345 BTU/hr. (not including display devices but with system at full load)

Approvals
EU safety: EN 60950
EU EMC: EN 55032, 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

Accessories

Power cable
Power Input Cable, H07RN-F, 2.5 mm², 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 1.5 m (4.9 ft.): P/N 91611797
Power Input Cable, H07RN-F, 2.5 mm², 14 AWG, bare ends to Neutrik TRUE1 NAC3FX-W (female), 5 m (16.4 ft.): P/N 91611786

Power connectors
Cable Connector, Neutrik PowerCON TRUE1 NAC3FX-W (female): P/N 91611789

Data cable
Data Cable, Cat 6 EtherCON-EtherCON 0.45 m (1.4 ft.): P/N 91611781
Data Cable, Cat 6 EtherCON-EtherCON 1.2 m (3.9 ft.): P/N 91611782
Data Cable, Cat 6 EtherCON-EtherCON 5 m (16.4 ft.): P/N 91611783
Data Connector, Cat 6 EtherCON: P/N 91611787

Adapters for connecting to VC-Dot cables:
Power+Data Adapter M16-BBD 0.25 m (9.8 in.): P/N 91616053
Power+Data Adapter BBD-M16 0.25 m (9.8 in.): P/N 91616054

Rigging hardware
G-clamp: P/N 91602003
Half-coupler clamp: P/N 91602005
Quick trigger clamp: P/N 91602007
Safety wire, safe working load 50 kg (110.2 lbs.): P/N 91604003

Related Items
P3-050 System Controller: P/N 90721090
P3-100 System Controller: P/N 90721010
P3-150 System Controller: P/N 90721015
P3-200 System Controller: P/N 90721020
P3-300 System Controller: P/N 90721060
P3-PC System Controller: P/N 90721030
P3-PC License Code: P/N 39808028

Ordering Information
Martin P3 PowerPort 1000 IP™, Rental Model: P/N 90721070

