



# 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  
NEMA enclosure rating: Type 3  
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

