



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.

GALLERY



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™
VC-Grid™ family
VC-Strip™ 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. (PowerPort 1500™ only, 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
Neutrik PowerCon NAC3FCA power input connector, cable mount, blue: P/N 05342804
3 m (9.9 ft.) power cable, 12 AWG, SJT, with PowerCon NAC3FCA power input connector: P/N 11541503
2 m (6.6 ft.) shielded CAT 5e Ethercon cable, ferrite cores, RJ45 connectors in Neutrik shells: P/N 11840144

Hybrid Extension Cables

Hybrid 4-pin XLR Extension Cable, 1 m (3.3 ft.): P/N 11821016
Hybrid 4-pin XLR Extension Cable, 2.5 m (8.2 ft.): P/N 11821017
Hybrid 4-pin XLR Extension Cable, 5 m (16.4 ft.): P/N 11821018
Hybrid 4-pin XLR Extension Cable, 10 m (32.8 ft.): P/N 11821019
Hybrid 4-pin XLR Extension Cable, 25 m (82.1 ft.): P/N 11821015
Hybrid Cable Without Connectors, 100 m (328.1 ft.): P/N 11840204
Hybrid cables carry power and data over separate conductors

Rigging hardware

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

Related Items

Martin P3-100™ System Controller: P/N 90721010
Martin P3-200™ System Controller: P/N 90721020
Martin P3-PC™ System Controller: P/N 90721030

Ordering Information

Martin P3 PowerPort 1500™: P/N 90721040

