



**1 Keeps paging and other emergency alert functions running during a power outage**

Unlike typical POE extractors, the PD-20W supplies amplifiers with the higher peak power levels they require. Offers 12VDC pass-through power for amplifier support when POE is not required, then automatically and instantly switches to POE if mains power fails.

**Works with any qualified third-party POE midspan injector and POE-enabled network switch**

Supports variable POE requirements and network connectivity for CM3000, CM800 and CM800S. Installs as a bridge between the POE cable and the network endpoint, and breaks out both network and power signals from the incoming cable, sending them on as needed for amplifier support.

- 2 Network power/data input**
- 3 Network pass-through output**
- 4 11.2V / 1.34A (15W) output**
- 5 12VDC input**



### SPECIFICATIONS

**Network support:** 10/100Mb/s (auto sensing)

**Power supply:** 12VDC at 3.5A

**Size (WxHxD):** 10.8 x 6.4 x 2.3cm/4.25 x 2.5 x .91in

### INPUTS/OUTPUTS

- (1) RJ45 network input jack
- (1) RJ45 network output jack
- (1) captive screw power output terminal
- (1) power input jack input/output terminal (3 position)

### MIDSPAN INJECTOR REQUIREMENTS

**POE Type:** High Power Midspan Injector

**POE Standard:** POE IEEE 802.3af

**Device Pin-out:** 1pins 4,5 DC power (+), pins 7, 8 DC power (-)

**POE Protection:** Over Temp, Over Current, Over/Under Voltage

**Shielded RJ-45 Ports:** 16 or 24 Ports

**Power:** > 15W per Port (e.g., Tycon 16.8E, 350mA @48V)

# Product Specifications

integrated classroom systems

**Which system fits your needs?**

## Conductor

Efficient network paging & control



## ezRoom

Manage all your teaching technology with one tool



IP Paging, Bells, & Controls		
Networkable	Yes	Yes
Intercom	Yes	Yes
Paging	Yes	Yes (as endpoint)
Page Override	Yes (IP only)	Yes
Bells/Alerts	Yes	Yes (as endpoint)
Coordinated Emergency Actions	Yes	No
Scheduled Actions	Yes	Yes
Remote Update	Yes	Yes
Customizable via Software	Yes	Yes
Integrated AV Control & Management		
Asset Management Software	Yes	Yes
Network/Serial/IR Device Control	Yes	Yes
Video Inputs	N/A	2-3
Client System Control Software	N/A	Yes
Installed Amplification		
Teacher Voice Priority Feature	N/A	Yes
Audio Inputs	Multiple	3-6 (installer-accessible) 2-3 (user-accessible)
Rack Mountable	Yes (server)	N/A
Audio Output (PFM/Podcasting)	N/A	1
Integrated Speaker Line Array	Available	Available
Features		
Number of Systems per School	1 (250 endpoints)	Unlimited
Touch-Screen Interface	Yes	Available
Lead Free/RoHS Compliance	Yes	Yes
SmartCharge Fail Safe Battery System	N/A	Yes
Simultaneous Mic Channels	N/A	2
Microphone Channel Choices	N/A	2
External Sensor Inputs	N/A	2
Optional Student Microphone	N/A	Yes
Transmission Technology	IP (streaming)	Infrared (microphones)
Platform	Digital	Digital
Warranty	3 Years	3-5 Years

## LOCATIONS

### Australia

Phonic Ear  
629 Nudgee Road  
Nundah QLD 4012  
Australia  
Freecall: 1 800 PHONIC  
fax: 1300 746 642  
web: [www.gofrontrow.com.au](http://www.gofrontrow.com.au)

### Canada

FrontRow  
6950 Creditview Road, Unit 1  
Mississauga, ON L5N 0A6  
toll-free: 800.340.9894  
tel: 905.461.5300  
fax: 905.677.7760  
web: [www.gofrontrow.com](http://www.gofrontrow.com)

### Scandinavia

Phonic Ear A/S  
Kongebakken 9  
2765 Smørum  
Denmark  
tel: +45 3917 7101  
fax: +45 3927 7900  
web: [www.gofrontrow.com](http://www.gofrontrow.com)  
[www.phonicear.com](http://www.phonicear.com)

### New Zealand

Oticon New Zealand Ltd.  
142 Lambton Quay  
P.O. Box 9128  
Te Aro, Wellington  
toll-free: 800 OTICON  
toll-free fax: 00800 FAX OTICON  
web: [www.oticon.co.nz](http://www.oticon.co.nz)

### United Kingdom

PC Werth Limited (UK Distributor)  
Audiology House  
45 Nightingale Lane  
London SW12 8SP  
tel: 020 8772 2700  
web: [www.soundfield.info](http://www.soundfield.info)

### USA/Global

FrontRow  
Corporate Headquarters  
2080 Lakeville Highway  
Petaluma, CA 94954-6713  
toll-free: 800.227.0735  
tel: 707.769.1110  
fax: 707.769.9624  
web: [www.gofrontrow.com](http://www.gofrontrow.com)

