The design of the PM Power Products SDP-20S SIP Door Phone and the SVDP-30S SIP Video Door Phones are based on our experience and knowledge of IP phone development. The SDP-20S SIP Door Phone and the SVDP-30S SIP Video Door Phones use standard IP/RTP/RTSP protocol for voice transmission and enjoys the advantages of full SIP compatibility. The SDP-20S SIP Door Phone and the SVDP-30S SIP Video Door Phones have a variety of enterprise-level features and are compatible with the Ericsson-LG iPECS platforms eMG-80/800, UCP100/600/2400 and LIK-MFIM processors utilizing the 3rd Party SIP Extension license.

Standard SIP operation lends itself to use with most current IP PBX systems or in a standalone configurations using a SIP connection.

The SDP-20S SIP Door Phone and the SVDP-30S SIP Video Door Phones are designed for operation in indoor environments or protected areas. The robust mechanical construction offers protective coverage rating against dust and water (IP54). The SDP-20S SIP Door Phone and the SVDP-30S SIP Video Door Phones are an economical device with triple function (All in 1) Access control activated by call, passcode and/or RFID card or key FOB.

The PM Power Products SVDP-31S SIP Video Door Phone offers a next generation solution for entry control and video monitoring. The SVDP-31S combines IP technology with industry standards for access and physical security to deliver a system that improves communication for tenants, guests and visitors. The SVDP-31S flexibility, ease of use and simple installation makes it ideal for enhancing security in schools, offices and other public facilities.

The SVDP-31 SIP Video Door Phone is compatible with the iPECS UCS client video application.
The PM Power Products Video Door Call Security Package provides video and audio security and access control for up to two locations within a site. This package does not require a PBX and can work over an existing LAN.

The Video Door Call Security Package includes 2 SVDP-30S SIP Video Door Phones offering a next generation solution for door entry control and video monitoring. The SVDP-30S combines IP technology with industry standards for access and physical security to deliver a system that improves communication for tenants, guests and visitors. The SVDP-30S flexibility, ease of use and simple installation makes it ideal for enhancing security in schools, offices and other public facilities.

**Highlights for SVDP-30S SIP Video Door Phone**

- **SIP**
  - The most popular and compatible standard protocol - SIP - enables delivery of worry free communication and connectivity.

- **Advanced Protection**
  - Enclosure designed on International Protection (IP) markings to protect against intrusion – accidental or intentional - waterproofed to IP65 and anti-collision up to IK10.

- **HD Video**
  - The 1280x720p (720p – progressive scan) camera produces vibrant high-quality HD video and captures motion effortlessly.

- **HD Voice**
  - High definition voice using wideband G.722 coding produces clearer sound quality and extends the frequency range.

- **Noise Reduction**
  - The embedded processing module reduces environmental noise and improves voice recognition up to 5 meters (approx. 16 feet).

- **Anti-tamper**
  - Alarm sounds if/when cover is removed from the housing and reports the action to the control center.

- **Multi-function**
  - The system is capable of performing multiple functions, i.e. video intercom and door phone and single device paging, and can be configurable with additional features.

- **Wide Range temperature adaptability**
  - The system design adapts to operating under various environmental conditions and temperatures (supports temperatures ranging from -40 to +70 Celsius.)

**SVP-X6 Enterprise IP Phone**

Also included with the Video Door Call Security Package is the SVP-X6 Enterprise IP Phone. The SVP-X-6 is a high-end enterprise desktop phone provides a video interface to the 2 SVDP-30S Video Door Phones so users can see and communicate with persons requesting access to a facility.

**Highlights for the SVP-X6 Enterprise IP Phone**

- 2 DSS Key-mapping LCD – 12 DSS keys corresponded to the LCD display to provide dynamic DSS/BLF functions up to five pages at virtualized total 60 DSS keys.
- Gigabit Ethernet – 10/100/1000Mbps Ethernet with POE enabled
- Economic and Environmental Friendly design with high-resolution TFT color display delivering a rich visual experience.
- High Interoperability – Compatible with major platforms: Ericsson-LG iPECS, 3CX, Asterisk, Broadsoft, Elastix,

**PoE Adapters**

To complete the Video Door Call Security Package, 3 PoE adapters are included to ensure a smooth installation.

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
SVP-X6 Enterprise IP Phone

A New Enterprise Color-LCD Phone with Intelligent DSS Key-mapping LCD Display

The new SVP-X6 IP Phone is a high-end enterprise desktop phone which comes with 2 intelligent DSS Key-mapping color LCDs to increase enterprise users’ productivity.

**Highlights**

- 2 DSS Key-mapping LCD – 12 DSS keys corresponding to the LCD display to provide dynamic DSS/BLF functions, soft mapping up to five pages with a total of 60 DSS keys.
- Gigabit Ethernet – 10/100/1000Mbps Ethernet with POE enabled.
- Economic and Environmental Friendly design
- High-resolution TFT color display, delivering a rich visual experience.
- High Interoperability – Compatible with major platforms: Ericsson-LG iPECS, 3CX, Asterisk, Broadsoft, Elastix, Zycoo, etc.

**Generic**

- 6 SIP Lines
- HD Voice
- Support receiving Video call
- POE Enabled
- 3 LCDs (Main + DSS)
- Handset(HS) / Hands-free(HF) / Headphone(HP) mode
- Intelligent DSS Keys
- Optional External Power Supply
- Industrial Standard Certifications: CE/FCC

**Call Features**

- Call out / answer / reject
- Mute / Unmute (microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Anonymous Call (Hide Caller ID)
- Call Forwarding (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (depending on server)
- Redial
- Do-Not-Disturb (per line / per phone)
- Auto-Answering (per line)
- Voice Message (on server)
- Local 3-way Conference
- Hot Line
- Hot-Descing

**Phone Features**

- Phonebook (1000 entries)
- Remote Phonebook (XML/LDAP)
- Call log (1000 entries, in/out/missed)
- Black/White List Call Filtering
- Screensaver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Support Bluetooth headset (Through USB Dongle BT20)
- Support Plantronics Wireless headset (Through Plantronics APD-80 EHS Cable)
- Support Recording (Through Flash Drive)
- Action URL / Active URI
- CSTA

**Video**

- Video codec: H.264
- Video call resolution: QCIF / CIF / VGA

**Audio**

- HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz
- Frequency Response
- Wideband ADC/DAC 16KHz Sampling
- Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB, AMR,ILBC,Opus
- Wideband CODEC: G.722, AMR-WB, Opus(16KHz)
- Full-duplex Acoustic Echo Canceller (AEC) – Hands-free Mode, 96ms tail-length

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
PA2-AMP-S SIP VIDEO INTERCOM & PAGING GATEWAY

PA2-AMP-S is a SIP video intercom and paging device for industry applications. The media stream transmission utilizes standard IP/RTP/RTSP protocols. It is perfectly compatible with all the current SIP IPPBX/IMS platforms, such as Ericsson-LG iPECS, Asterisk, Broadsoft, 3CX, Elastix, etc. It has various functions and interfaces, such as Intercom, broadcast, video, security, and recording to adapt to different application environments.

Highlights

- Small form factor
- Emergency call button interface, active call
- Interact with IPC camera, you can make a video phone call
- NVR video recording, standard RJ45 interface
- Recording output, 3.5mm standard audio interface
- 10W-30W adaptive output power
- System online management and upgrade

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
SW8-POE-PLUS AND SW8-G-POE-PLUS
- Accepts dual voltages - can operate 24V and 48V devices
- 18W per port with a 48V 120W supply (power supply additional)
- All 7 PoE ports can supply up to 1 Amp of power per port.
- Ideal for high current devices such as cameras with heater elements, Wi-Fi Access Points and large VoIP Phones.

18V, POE-INJ-15W
- Power 16 Gigabit devices from one power supply 12V to 56V
- *Requires external power supply or RPS

SM-8-RM Rack Mount Kit

10/100, POE-INJ-S
- 10/100 Shielded Passive PoE Injector, 3A
- Injects DC power on RJ45 socket pins 4,5 (+) and 7,8 (-). Shielded.
- Black, 24” DC Cable (5.5/2.1mm), 3A, 150W

GIGABIT, POE-INJ-1000-S
- Gigabit PoE Injector with LED power indicator

RACK MOUNT PoE INJECTOR
POE-INJ-1000-16-1U
Gigabit 16 Port Rack mount PoE Injector
- Power 16 Gigabit devices from one power supply 12V to 56V

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
**MOH-MP3 TUNER**

The MOH-MP3 Digital Tuner will work with any PBX to provide FM radio, recorded content via USB or SD card memory and included custom programmed Message on Hold on the supplied SD card. The unit is offered in two configurations, MOH-MP3 Tuner is a 4 Function standalone Digital player unit with:
- Play Scan
- Previous
- Next
- USB/FM/Auxiliary Modes
- Fixed Antenna
- SD/MMC Card slot
- Memory device with standard MOH loop included
- USB port
- Remote Control
- 12V Power Adapter included
- Cables

**MOH-MP3 TUNER RM**

Tuner Rack Mount provides a 1U rack mount faceplate for mounting the MOH-MP3 Tuner in a 19” Rack. The MOH-MP3 TUNER RACK MOUNT includes a long wire antenna to replace the fixed antenna as well as all the product and components included with the basic MOH-MP3 Tuner.

**VIS-A-RING OPTICAL RINGER**

- Each unit includes 4 high intensity LEDs.
- Activate from any Telephone with Lamps.
- Weatherproof ready for exterior mounting.
- Light colors: Red/Blue/Amber/Clear
- Operates on DC 12 VDC
- Power: 4W (1W/LED)
- Waterproof level: IP62
- Size: 5.5” L x 1.6” D x 1.2” W
- Power cable length: 24”
- 19 programmable lighting modes
- Supplied with PHONE and ALARM labels

*Requires optional Opt-a-Switch control module

**RANGE ALERT FXO/S**

- FXO/FXS powered loud electronic ringer
- 2 distinct loudness levels
- Built-in flashing lamp
- Ideal for use in extremely noisy areas and for the hearing impaired
- Small compact size easily mounts to wall

**PoE-WALL-ES-G**

PoE-WALL-ES-G Gigabit Injector for 802.3af 10/100/Gigabit PoE injector

- Internal power supply
- 48 volts and 15 watts
- Supports:
  - IP telephones
  - CCTV cameras
  - Wi-Fi Access Points

**OPT-A-SWITCH CONTROL MODULE**

Provides Unique activation by any LED/Lamp illumination on host telephone. Place photo pick-up over any lamp to activate any device.

**WI-FI RELAY**

- WiFi enabled, remote control switch
- Support AP/STA/AP+STA three network connections
- Support fast network configuration WPS
- Password authentication
- 1 relay output: normally open and normally closed; 5 timer switch functions
- Control software supports five platforms: Windows, MAC, IOS, Android, Webpage.

- Dimensions: 3.35” L, 1.78 W, .91” H
- Operating Voltage: 5VDC, or 6-24VDC (dual input)
- Power consumption: 2W typical 3W max
- Working Temp: -22 F to 185 F
- Max output 250VAC/10Amp
- Optional AC Relay 2x2 with remote monitoring and control of 2 AC outlets

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
**PoE AND POWER ADAPTERS**

**PoE TESTER**
- Built-in 802.3af load
- DC voltages as low as 5V and currents below 10ma

**WI-FI TEMP**
- Monitor temp and humidity remotely via the included application running on PC, MAC, Android or iOS platform
- Temp range -40 – 80 degree C
- Humidity Range: 0-99.9% RH
- 6-24 VDC (Power supplied)
- Dimensions: 3.39” L, 3.39” W, 1.10” D

**WIT-GDC CHARGER**
Charger for WIT and GDC handsets.
- Holds 1 WIT or GDC battery
- Backup battery for longer talk time

**Tel-A-Control**
Remote Control Board
- Single FXO or FXS Phone interface
- 2 independent relays with
  - Timed Closure
  - 4 modes per relay
  - Password protection
  - 12V DC PS included

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
MULTI-PURPOSE SOLID STATE SOUND ACTIVATED RECORDER
VOX Streamer is the leading professional sound activated recorder with advanced trigger and filter settings for high quality audio recordings. Now with AGC (Automatic Gain Control) and a built in SPL (sound pressure level) meter to document noise levels over time! With multi-channel recording support, VOX Streamer supports up to 16 recording streams on one system.

- Robust and stable sound recording engine
- Flexible recording system
- Unique noise suppression system
- MP3 and WAV format
- Exclusive Dual recording formats
- Automatic gain control (AGC)
- Sound pressure level meter/logger
- Pre-recording digital filters
- Instant timer recording

VOX-USB PHONE
- USB CO Line Interface Module
- Allows recording of FXO/FXS lines

USB-TELCO-1-REC
- A stand alone single line recorder with supplied recording software.

PC-TELCO-1
- Telephone To Computer MP3 Call Recorder Adapter
- Works with recording devices such as recording pen, MP3, MP4 mobile with record functions
- With the recorder software (included), all calls are saved as MP3 or wav format

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
# Locking Wall Mount And Standing Cabinets

Available in 18 inch and 24 inch Depth - Ships Fully Assembled

## Common Features:
- 5 year warranty
- 19 inch standard rack mount
- 13 inch maximum rail depth
- 120 pound rating
- Two fan mount locations on top, 4”x4”
- Optional Dual Fan Unit
- Front locking glass door opens to 245 degrees
- 1.2mm cold rolled steel
- Keys and locks for front door and side panels

## Compliance:
- ANSI/EIA RS-310
- IEC297
- DIN4149 PART7
- ETSI standard

<table>
<thead>
<tr>
<th>Wall Mount Cabinets</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>6U/6UD</td>
<td>WME6U</td>
</tr>
<tr>
<td>18 Inches Deep</td>
<td>WME6UD</td>
</tr>
<tr>
<td>24 Inches Deep</td>
<td></td>
</tr>
<tr>
<td>9U/9UD</td>
<td>WME9U</td>
</tr>
<tr>
<td>18 Inches Deep</td>
<td>WME9UD</td>
</tr>
<tr>
<td>24 Inches Deep</td>
<td></td>
</tr>
<tr>
<td>12U/12UD</td>
<td>WME12U</td>
</tr>
<tr>
<td>18 Inches Deep</td>
<td>WME12UD</td>
</tr>
<tr>
<td>24 Inches Deep</td>
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</tr>
<tr>
<td>15U/15UD</td>
<td>WME15U</td>
</tr>
<tr>
<td>18 Inches Deep</td>
<td>WME15UD</td>
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<tr>
<td>24 Inches Deep</td>
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<table>
<thead>
<tr>
<th>27U and 42U Cabinets</th>
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</thead>
<tbody>
<tr>
<td>FME-E3-27U/600mm</td>
<td></td>
</tr>
<tr>
<td>FME-E3-27U/900mm (Deep)</td>
<td></td>
</tr>
<tr>
<td>FME-G3-42U/600mm</td>
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</tr>
<tr>
<td>FME-G3-42U/900mm (Deep)</td>
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</table>

<table>
<thead>
<tr>
<th>42U 2-POST Open Rack</th>
<th>WME-FAN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual Fan Kit for 27U/42U</td>
<td></td>
</tr>
<tr>
<td>Cabinets</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FME-FANS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual 4” Fan Assembly</td>
<td></td>
</tr>
<tr>
<td>120VAC</td>
<td></td>
</tr>
</tbody>
</table>

| WME-CASTERS               |               |
| Set of 4 casters for cabinet |

| FME-DRAWER                |               |
| Locking Sliding Keyboard  |
| Drawer for 4-Post Cabinet |

| FME-DRAWER                |               |
| Locking Sliding Keyboard  |
| Drawer for 4-Post Cabinet |

| WME-SHELF 10             |               |
| 10” 2U Vented Shelf      |               |

| WME-SHELF 12             |               |
| 12” 2U Vented Shelf      |               |

| 1U-RACK FAN-TEMP         |               |
| 4 Unit Fan Assembly with temp display and alert |
| 110VAC                   |

| 1U-RACK FAN              |               |
| Same as above without temp display and alert |

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
The E-107 PDU 8-Channel On/Off Power control is a reliable rack mounted power center. The E-107 has 8 light switches that control 8 individual sockets on the rear of the unit. The E-107 can handle a maximum of 15 Amps per system with a maximum of 10 Amps per input. A 15 Amp breaker protects the unit from any potential damage caused through power surges or grounding problems.

Features:

- On/Off Power Control Center
- 8 On/Off toggle switches
- Dimensions: 2 inch X 6 inch X 21 inch
- Power draw: 15 Amps total; maximum 10 Amps per input
- 1 year limited warranty

The RHUB server provides flexibility and value by embedding 6 outstanding real time collaborations and applications in 1 server.

1. **Web conferencing** – give sales presentations and product demos, and collaborate interactively
2. **Remote Support** – support PC and Mac users remotely
3. **Audio Conferencing** – VoIP based audio conferencing & free landline audio conferencing services
4. **Video Conferencing** – multi-point webcam based video conferencing
5. **Remote Access** – access your office or home PCs from anywhere anytime
6. **Webinar** – provide online seminars without download of any kind for view-only attendees

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
PM Power Products HS-LOUD SPKR

The HS-LOUD SPKR from PM Power Products provides a low-cost solution for interfacing telephones to create a loud ringer, and/or amplified signal over the supplied wall speaker.

The HS-LOUD SPKR can also be used as a pre-amp for connection to any paging system.

Specifications

- Loud ringer and amplified speaker
- Plugs into the headset jack port
- RJ9 connector
- Works with any phone that supports ring over the headset jack
- Digital, IP, SIP phone support
- Adjustable high gain amplifier
- Includes 12V power supply and wall speaker with 12 foot RCA cable
- Can be used as a pre-amp for paging systems using a dedicated basic SIP, digital or Ericsson-LG iPECS series IP phones

Operation

- Ensure the phone is set to headset ring
- Speaker volume adjustment is via the Adjustable Gain Potentiometer

Included

- HS-LOUD SPKR
- Wall Mount Speaker
- 12V power supply
- Telephone RJ9 Line cord
- 12 foot RCA cable

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
VIS-A-RING-SPKR

PM Power Products VIS-A-RING-SPKR Is A Multipurpose Signaling Device for Alerting and Telephone Systems

Specifications

VIS-A-RING-SPKR incorporates the following features:

- Programmable Loud Ringer offering multiple ringer sounds.
- Ultra Bright LED Visual Alert with multiple flash patterns (Programmable) which can be activated on Ring, Page or Both.
- Ring with Auto Answer Feature Allows Ringing then Audio Page.
- Remote Relay which can be Activated on Ring/Page or Both
- Talk Back Paging capability with On-Board 15 Watt Speaker and Supplied Microphone. Additional Speakers can be Supported through output jack with up to 30 Watts of Audio Power.
- Supports Multi-Cast Paging
- Supports SIP Extension Mode
- Supports Direct SIP Trunk Service allowing Direct Calls to the Device from an Outside Number (Available with PMPP Optional Secure Trunk)
- Industrialized Enclosure (Rated IP56)
- Low level Audio Output for connection to Paging Systems.
- Camera Port to allow viewing via compatible IP cameras.
- Input for Remote Activation of the Device via Contact Closure.
- PoE Supported and Includes 24VDC 3Amp Power Supply.

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com
PM Power Products ATA SIP Gateways

**Features**
- Linux OS
- Supports SIP 2.0 (RFC3261) and correlative RFCs
- SIP supports 2 SIP servers, and Group servers
- Supports SIP UDP/TCP
- SIP support SIP domain, SIP authentication (none, basic, MD5), DNS name of server, Peer to Peer/ IP Call
- system led to indicate power/phone/register status
- Supports T.38 FAX
- Supports BY-PASS FAX
- FXS Port (1 Port for FX100S) and (2 Port for FX200S)
- Codec: G.711A/u, G.729AB, G.726-32
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- Background noise suppression
- Adaptive jitter buffers
- Packet loss concealment
- Different country tones
- SIP support SIP domain, SIP authentication (none, basic, MD5), DNS name of server, Peer to Peer/ IP call
- DTMF: Support SIP info, DTMF Relay, RFC2833
- IP application: support Call forward/transfer/holding/waiting
- Call control features: Flexible dial map, Hotline, Empty calling reject, Black list for reject authenticated call, limit call, No disturb, Caller ID.
- Support three way conference call

**Network Features**
- WAN / LAN: 10/100M Ethernet ports,
- Bridge mode and route
- PPPoE for xDSL
- VLAN (802.1Q/P )
- NAT (NAPT)
- NAT transverse :Support STUN client
- DHCP client on WAN/ DHCP server on LAN
- Main DNS and secondary DNS server
- DNS Relay
- NTP Client
- Firewall
- Web management access restricted
- VPN (L2TP/PTP)
- ping, tracert, telnet

**Maintenance and Management**
- WEB management
- Management with different account right
- Recover firmware and factory reset through Uboot
- Upgrade firmware via HTTP, HTTPS, FTP, TFTP
- DHCP option66 and custom option for auto provisioning
- Auto Provisioning to upgrade configuration file
- Syslog

**Specification**

<table>
<thead>
<tr>
<th>Item</th>
<th>FX100S / FX200S</th>
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<tbody>
<tr>
<td>Power Adapter</td>
<td>Input:100-240V</td>
</tr>
<tr>
<td></td>
<td>Output:12V/0.5A</td>
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<tr>
<td>FXS Port</td>
<td>FX100 1 FXS Port</td>
</tr>
<tr>
<td></td>
<td>FX200 2 FXS Ports</td>
</tr>
<tr>
<td>Port</td>
<td>WAN 10/100M Base-T RJ-45 for WAN</td>
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<tr>
<td></td>
<td>LAN 10/100M Base-T RJ-45 for PC</td>
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<tr>
<td>Power Consumption</td>
<td>IDLE: 2.5W Active: 2.8W</td>
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<tr>
<td>Operation Temperature</td>
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<tr>
<td>Relative Humidity</td>
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<tr>
<td>Flash</td>
<td>16Mbits</td>
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<tr>
<td>SDRAM</td>
<td>64Mbits</td>
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</table>

For Sales Support Call 614.652.6509 or sales@pmpowerproducts.com