Physical Infrastructure Manager™ (PIM™) Software Platform

- Supports the PanView iQ™ System
- Provides automated documentation of network patch field connectivity
- Provides real-time notification of all changes in physical layer patch field
- Documents and assigns moves, adds, and changes for planned configuration changes
- Utilizes a web-based graphical user interface that is globally accessible

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Std. Pkg. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIM-MEDIA</td>
<td>Physical Infrastructure Manager™ Software, support tools, and documentation.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-BASE</td>
<td>Base module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-CAMA</td>
<td>Comprehensive annual maintenance agreement covering both PIM™ Software Platform and PV/iQ™ System Hardware.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-ASSET*</td>
<td>Asset tracking and utilization module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-POWER*</td>
<td>Power outlet unit monitoring module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-ENT</td>
<td>Enterprise connectivity management module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-CONNECT*</td>
<td>Connectivity module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-DASHBOARD*</td>
<td>Dashboards and reports module of the PIM™ Software Solution.‡</td>
<td>1</td>
</tr>
<tr>
<td>PIM-IBMINT*</td>
<td>IBM® Tivoli connector module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-MSFTINT*</td>
<td>Microsoft® System Center Operations Manager 2007 Management Pack for the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-AYAINT</td>
<td>AyaNova® work order integration module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
<tr>
<td>PIM-BMCINT*</td>
<td>BMC Remedy® work order integration module of the PIM™ Software Solution.</td>
<td>1</td>
</tr>
</tbody>
</table>

Always check with a sales representative for latest software updates.
*To order this module, add the appropriate letter to the end of the part number, based on the size of the installation: -S (<50 racks); -M (50-199 racks); -L (200-399 racks); -X (400+ racks). For example, the part number for the Connectivity Management Module for 250 racks is PIM-CONNECT-L.
IBM and Tivoli are registered trademarks of IBM Corporation.
Microsoft is a registered trademark of Microsoft Corporation.
AyaNova is a registered trademark of Ground Zero Tech-Works.
BMC is a registered trademark of BMC Software, Inc.
‡Advanced Dashboard and Reports Module is powered by Pentaho.
PanView iQ™ Patch Panels

PanView iQ™ Patch Panels revolutionize intelligent physical infrastructure management by providing a modular and scalable approach to meet the demands of enterprise and data center installations. Standard copper and fiber cabling is used for all terminations onto the back of these panels while unique PanView iQ™ Patch Cords are used for cross-connect or interconnect installations.

- Mount to standard EIA 19" rack or 23" racks with optional extender bracket
- Accommodates intelligent modules that mount in the rear and utilize no additional rack space (zero RU)
- Accepts all Mini-Com® UTP and STP Modules
- Accepts a PanView iQ™ Interface Unit to provide patch cord tracing and provisioning of switch ports with PanView iQ™ Interconnect Patch Cords or patch field mapping with PanView iQ™ Cross-Connect Patch Cords

### Part Number | Part Description
---|---
PVQ-MIQAPU24 | 24-port unpopulated angled UTP modular intelligent module-ready patch panel. Accepts all Mini-Com® UTP and LC Fiber Optic Modules.
PVQ-MIQPU24 | 24-port unpopulated UTP modular intelligent module-ready patch panel.
PVQ-MIQPS24 | 24-port unpopulated STP modular intelligent module-ready patch panel.

### PanView iQ™ Hardware Kits

- **PVQ-MIQPS96F** For standard configurations, this 96-port modular intelligent panel kit includes four flat PanView iQ™ Patch Panels (PVQ-MIQPU24), one PanView iQ™ Panel Manager with interface unit, and three PanView iQ™ Expansion Modules with expansion port cables and interface units. Also includes one 1.5’ (0.5m) RJ45 patch cord for connection to network switch or additional daisy-chained PanView iQ™ Panel Managers. (Power supply, PanView iQ™ Patch Cords and Mini-Com® Jack Modules are not included and must be purchased separately.)

- **PVQ-MIQPS96A** For standard configurations, this 96-port modular intelligent panel kit includes four angled PanView iQ™ Patch Panels (PVQ-MIQAPU24), one PanView iQ™ Panel Manager with interface unit, and three PanView iQ™ Expansion Modules with expansion port cables and interface units. Also includes one 1.5’ (0.5m) RJ45 patch cord for connection to network switch or additional daisy-chained PanView iQ™ Panel Managers. (Power supply, PanView iQ™ Patch Cords and Mini-Com® Jack Modules are not included and must be purchased separately.)

### PanView iQ Patch Panel Accessories

- **PVQ-MIQAPCVR** Transitional cover for angled PViQ patch panels that occupies zero rack space.

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^One rack space = 1.75” (44.45mm).
PanView iQ™ Panel Manager requires proper country-specific power supply (PVQ-PS12VDC-S for North America, PVQ-PS12VDC-E for Europe, PVQ-PS12VDC-J for Japan, PVQ-PS12VDC-C for China, or PVQ-PS12VDC-U for United Kingdom) which must be ordered separately, found on page I.9.
Component Labels for PanView iQ™ Patch Panels

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>All Patch Panels on Page I.7</td>
<td>UILJ6</td>
<td>UILS8BW</td>
<td>UILS8BW</td>
</tr>
</tbody>
</table>


PanView iQ™ Fiber Trays

- Provides real-time physical layer management to the fiber channels in the network
- Enhances usability and maintainability through an enclosure and drawer design that allows for easy access to the fiber connectivity
- An easily-accessible integrated mechanism for mounting a PM or EM module simplifies installation and maintenance
- Provides the capability to map and monitor the fiber channels to efficiently manage resources and substantially reduce network operations cost
- Provides the capability to automate network documentation and maintenance procedures for the physical layer, which in turn supports improved reliability, security, and increased overall network management efficiency
- Installable in a 19" standard TIA/EIA rack or cabinet utilizing 1RU of space

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>No. of Rack Spaces</th>
<th>Std. Pkg. Qty.</th>
<th>Std. Ctn. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVQ-FMT</td>
<td>24-port PanView iQ™ Fiber Tray with no fiber adapters.</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-FMTMTP-ZX</td>
<td>PVQ™ 24-Port OM3 MTP Fiber Tray including 24 (CMDSAQLCZBL) LC SR/SR. 10Gig™ SFF Duplex Multimode Aqua Adapters with Zirconia Ceramic Split Sleeves.</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-FMTMTP-ZZ</td>
<td>PVQ™ 24-Port OM4 MTP Fiber Tray including 24 (CMDSAQLCZBL) LC SR/SR. 10Gig™ SFF Duplex Multimode Aqua Adapters with Zirconia Ceramic Split Sleeves.</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-FMTMTP-9</td>
<td>PVQ™ 24-Port, Single-Mode Fiber Tray including 24 (CMDSLCZBU) LC SR/SR. SFF Duplex Singlemode Blue Adapters with Zirconia Ceramic Split Sleeves.</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

^One rack space = 1.75" (44.45mm).
PanView iQ™ Intelligence Modules

PanView iQ™ Intelligence Modules enable the PanView iQ™ Patch Panels to sense connections and disconnections from each port and relay status information to the Physical Infrastructure Manager™ (PIM) database. The intelligence modules also accept trace mode and MAC commands to provide guidance via the PanView iQ™ Interface Unit and Patch Panel LEDs.

- Provides manageability for a PanView iQ™ Patch Panel
- Eliminates the need for additional rack space by attaching directly to the back of a PanView iQ™ Patch Panel
- Enables quick addition, removal, or replacement of intelligence modules to add management capabilities
- Supports both cross-connect or interconnect installations
- The panel manager (PM) module provides networking interface, power connection and expansion port connections
- The expansion module (EM) receives all power and data signals from the PM through the expansion port; three EMs can be connected to one PM
- Support PanView iQ™ Hardware
- Optional Expansion Port Cables allow connection through various mounting options; for example, PVQ-EPC28 is designed to be utilized when installing PVIQ patch panels in a zero RU (vertical mounting) configuration

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Std. Pkg. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVQ-PM</td>
<td>Panel manager (includes mounting bracket, 1.5’ (0.5m) RJ45 patch cord, and interface unit).</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-EM</td>
<td>Expansion module (includes mounting bracket, 7’ expansion port cable, and interface unit).</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-EPC14*</td>
<td>PanView iQ™ Expansion Port Cable, 14’, (0.36m).</td>
<td>1</td>
</tr>
</tbody>
</table>

*For lengths of 20, 28, 35 or 43 inches, change the 14 in the part number to the desired length.

PanView iQ™ Panel Manager requires proper country-specific power supply (PVQ-PS12VDC-S for North America, PVQ-PS12VDC-E for Europe, PVQ-PS12VDC-J for Japan, PVQ-PS12VDC-C for China, or PVQ-PS12VDC-U for United Kingdom) which must be ordered separately.

PanView iQ™ Power Supply

- Provides 12 volts of regulated power
- One power supply required per panel manager module
- Offers flexible placement inside of rack
- 5 feet (1.5m) cord length

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Std. Pkg. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVQ-PS12VDC-S</td>
<td>30W power supply for North America.</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-PS12VDC-E</td>
<td>30W power supply for Europe.</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-PS12VDC-U</td>
<td>30W power supply for UK.</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-PS12VDC-J</td>
<td>30W power supply for Japan.</td>
<td>1</td>
</tr>
<tr>
<td>PVQ-PS12VDC-C</td>
<td>30W power supply for China.</td>
<td>1</td>
</tr>
</tbody>
</table>
PanView iQ™ Patch Cords

- PanView iQ™ Interconnect Patch Cords support connectivity between shielded non-PanView iQ™ enabled ports (e.g., switches with shielded jacks, servers with shielded jacks, etc.) and PanView iQ™ Panel Ports
- PanView iQ™ Cross-Connect Patch Cords manage and map the patch field between two PanView iQ™ Patch Panels
- All PanView iQ™ Patch Cords permit PanView iQ™ Panels to detect single-ended connections

### Copper Interconnect Patch Cords – Basic

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Length</th>
<th>Cable Color</th>
<th>Std. Pkg. Qty.</th>
<th>Std. Ctn. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVQ-BIU6C3BU*</td>
<td>Category 6 UTP interconnect patch cord for use with PanView iQ™ patch panel, Communications (CM) rated.</td>
<td>3</td>
<td>Blue</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>PVQ-BIU6C1MBU^</td>
<td>Category 6 UTP interconnect patch cord for use with PanView iQ™ patch panel, Communications (CM) rated.</td>
<td>—</td>
<td>Blue</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>PVQ-BIU6L1MBU^</td>
<td>Category 6 UTP interconnect patch cord for use with PanView iQ™ patch panel, Low Smoke Zero Halogen (LSZH) rated.</td>
<td>—</td>
<td>Blue</td>
<td>1</td>
<td>10</td>
</tr>
</tbody>
</table>

Additional lengths and colors available:
*For lengths of 5, 7, 10, 14, or 20 feet, change the length designation in the part number to the desired length. For standard cable color other than BU (Blue), replace BU in the part number with GR (Green). For example, the part number for a green, 5-foot patch cord is PVQ-BIU6C5GR.
^For lengths of 2, 3, 5, or 10 meters, change the length designation in the part number to the desired length. For standard cable color other than BU (Blue), replace BU with WH (White). For example, the part number for a white 2-meter patch cord is PVQ-BIU6L2MWH.
Contact Panduit Customer Service for lead times and for non-standard lengths and colors.

### Copper Interconnect Patch Cords – Enhanced

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Length</th>
<th>Cable Color</th>
<th>Std. Pkg. Qty.</th>
<th>Std. Ctn. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVQ-EU6AC3BU*</td>
<td>10Gig™ UTP Enhanced Interconnect Patch Cord for use with PanView iQ™ Patch Panel, Communications (CM) rated.</td>
<td>3</td>
<td>Blue</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>PVQ-EU6AC1MBU^</td>
<td>10Gig™ UTP Enhanced Interconnect Patch Cord for use with PanView iQ™ Patch Panel, Communications (CM) rated.</td>
<td>—</td>
<td>Blue</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>PVQ-ES6X3BU*</td>
<td>10Gig™ STP Enhanced Interconnect Patch Cord for use with PanView iQ™ Patch Panel, dual rated.</td>
<td>3</td>
<td>Blue</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>PVQ-ES6X1MBU^</td>
<td>10Gig™ STP Enhanced Interconnect Patch Cord for use with PanView iQ™ Patch Panel, dual rated.</td>
<td>—</td>
<td>Blue</td>
<td>1</td>
<td>10</td>
</tr>
</tbody>
</table>

Additional lengths and colors available:
*For lengths of 5, 7, 10, 14, or 20 feet, change the length designation in the part number to the desired length. For standard cable color other than BU (Blue), replace BU in the part number with WH (White). For example, the part number for a white 5-foot patch cord is PVQ-EU6AC5WH.
^For lengths of 2, 3, 5, or 10 meters, change the length designation in the part number to the desired length. For standard cable color other than BU (Blue), replace BU with WH (White). For example, the part number for a white 2-meter patch cord is PVQ-ES6X2MWH.
Contact Panduit Customer Service for lead times and for non-standard lengths and colors.
PanView iQ™ Patch Cords (continued)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Length^</th>
<th>Std. Pkg. Qty.</th>
<th>Std. Ctn. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVQXPE10LQM0.5</td>
<td>PanView iQ duplex LC to duplex standard LC, OM3, fiber interconnect patch cord, plenum rated, 1.6mm jacketed cable.</td>
<td>—</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>PVQZPE10LQM0.5</td>
<td>PanView iQ duplex LC to duplex standard LC, OM4, fiber interconnect patch cord, plenum rated, 1.6mm jacketed cable.</td>
<td>—</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>PVQ9PE10LQM0.5</td>
<td>PanView iQ duplex LC to duplex standard LC, OS1/OS2, fiber interconnect patch cord, plenum rated, 1.6mm jacketed cable.</td>
<td>—</td>
<td>0.5</td>
<td>1</td>
</tr>
</tbody>
</table>

^Available in lengths up to 10 meters, in 1/2-meter increments. To order another length, replace 0.5 with desired length.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Description</th>
<th>Length^</th>
<th>Std. Pkg. Qty.</th>
<th>Std. Ctn. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVQXPE10LQM0.5</td>
<td>PanView iQ duplex LC to duplex standard LC, OM3, fiber interconnect patch cord, plenum rated, 1.6mm jacketed cable.</td>
<td>—</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>PVQZPE10LQM0.5</td>
<td>PanView iQ duplex LC to duplex standard LC, OM4, fiber interconnect patch cord, plenum rated, 1.6mm jacketed cable.</td>
<td>—</td>
<td>0.5</td>
<td>1</td>
</tr>
<tr>
<td>PVQ9PE10LQM0.5</td>
<td>PanView iQ duplex LC to duplex standard LC, OS1/OS2, fiber interconnect patch cord, plenum rated, 1.6mm jacketed cable.</td>
<td>—</td>
<td>0.5</td>
<td>1</td>
</tr>
</tbody>
</table>

^Additional lengths available: PVQTPSC3BUY also available in lengths of 5, 7, 9, 14, and 20 feet. PVQTPSC1MBBUY also available in lengths of 2, 3, 5, 7, and 10 meters. PVSTP6X1MBBU also available in lengths of 2, 3, 5, and 10 meters. PVF9L10-10M0.5Y and PVFXL10-10M0.5Y also available in 1/2-meter increments up to 10 meters. Contact Panduit Customer Service for lead times. Consult www.panduit.com/pim for additional colors and lengths available.

Labels for PanView iQ™ Patch Cords

<table>
<thead>
<tr>
<th>Suggested Label Solutions for TIA/EIA-606-A Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Patch Cords on Page I.10 and I.11</td>
</tr>
</tbody>
</table>

For complete labeling solutions and product information, reference charts on pages O.1 – O.25.