SYSTEM DATA SHEET

CX6850 | CAT 6A PREMIUM+ UTP SYSTEM

Highest performing, robust Cat 6A system ideal for demanding mission-critical networks

- Innovative crosstalk prevention (XTP) technology in the LANmark-XTP cable assures excellent alien crosstalk (AXT) suppression, with industry-leading channel margin guarantees
- Exceeds ANSI/TIA-568-C.2 Cat 6A and ISO/IEC 11801 Class E\textsubscript{a} requirements for channel, link, and component requirements to support IEEE 10GBASE-T (802.3an) networks
- Limited lifetime warranty available when installed by Leviton or Berk-Tek certified contractors
- Channel performance third-party verified by Intertek Testing Services (ETL)
- Error-free performance up to 10 Gigabit Ethernet with full duplex transmission up to 500MHz
- Backwards compatible with Gigabit Ethernet to provide seamless migration to 10GBASE-T and supports all Cat 6 and Cat 5e system requirements

GUARANTEED* SYSTEM PERFORMANCE

<table>
<thead>
<tr>
<th>Insertion Loss</th>
<th>NEXT</th>
<th>PSNEXT</th>
<th>ACR-F (ELFEXT)</th>
<th>PSACRF (PSELFEXT)</th>
<th>Return Loss</th>
<th>ACR-N</th>
<th>PSACRN</th>
<th>PSNEXT</th>
<th>PSACRF-F</th>
</tr>
</thead>
<tbody>
<tr>
<td>3%</td>
<td>5 dB</td>
<td>6 dB</td>
<td>10 dB</td>
<td>10 dB</td>
<td>4 dB</td>
<td>7 dB</td>
<td>7 dB</td>
<td>5 dB</td>
<td>11 dB</td>
</tr>
</tbody>
</table>

*Values represent guaranteed margins to ANSI/TIA-568-C.2 standard at 20°C ambient temperature. All parameters comply with ANSI/TIA-568-C.2 Cat 6A and ISO/IEC 11801 Class E\textsubscript{a} requirements across the entire frequency range. All values represent worst-case margins for 5- to 100-meter channel configurations. System performance margin guarantees are representative of the specific components and topologies as listed on the CX6850 solution data sheet and third-party test report. Contact your Berk-Tek Leviton Technologies technical representative for more information on alternative components and channel configurations. Details at berkteklevitontechnologies.com.

Guaranteed System Performance applies exclusively when the system is installed and tested by Leviton Network Solutions Certified Contractors, or Berk-Tek Certified OASIS Integrators. Guaranteed margin values apply at the time of installation.

SYSTEM TOPOLOGY

<table>
<thead>
<tr>
<th>NEAR END</th>
<th>3m</th>
<th>2m</th>
<th>75m</th>
<th>15m</th>
<th>5m</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
<td>C</td>
<td></td>
<td>D</td>
<td>A</td>
</tr>
</tbody>
</table>

Patch Cord 6AS10-xx*, Patch Panel 6AS58-4U4B, Patch Panel 49255-D72, Connector 4AUJK-R*6, Cable LANmark™-XTP, Consolidation Point 41D6A-1F4

RECOMMENDED FOR

10GBASE-T network applications and mission-critical systems
- Short links in data centers
- High-density cabling and constrained pathway environments
- Optimal total cost of ownership for financial, health care, government, transportation, and education environments
- Supports IEEE 802.3af, 802.at, Cisco UPoE, and Power over HDBaseT (PoH) up to 100 watts
- Supports emerging PoE standards such as the draft IEEE 802.3bt, including 100 watts
- Wireless access points for IEEE 802.11ac applications
- IP-based security and building automation systems utilizing UTP cabling
- Optimal support for Energy Efficient Ethernet in the data center
Customer-focused, technology-driven, quality-assured for unparalleled return on infrastructure investment

LEVITON CONNECTORS
ATLAS-X1™ CAT 6A COMPONENT-RATED QUICKPORT® CONNECTORS
- Tested and approved for use in air-handling spaces (plenum rating) in accordance with UL Standard 2043
- Independently tested and guaranteed to exceed all component, permanent link, and channel margins
- Patented Retention Force Technology protects tines from damage and increases system longevity
- Connectors available with internal shutter to protect against dust and debris
- Unique, tool-free design requires no specialized termination or re-termination tool
- Short connector design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Connector supplied with interchangeable icons (VOICE, DATA, AV, and blank) color coded to match the connector face
- Interchangeable icons (available in 13 colors) make it easy to identify and track data, voice, or other functions
- Supports Power over Ethernet (PoE) — see individual product specifications sheets for full capabilities
- Proudly manufactured in the U.S.

LEVITON PATCH CORDS
ATLAS-X1 CAT 6A SLIMLINE PATCH CORDS
- ETL verified for TIA Cat 6A component and channel requirements
- Excellent alien crosstalk (AXT) suppression
- 26-gauge stranded for maximum flexibility in any density patching environment
- Nominal outer diameter of .24" to reduce cable pathways in racks and cabinets
- SlimLine-design modular boot supports high-density patching
- Available from stock in lengths of 3', 5', 7', 10', 15', 20' and in 7 colors
- Country of Origin is U.S., manufactured using Berk-Tek cable

LEVITON PATCH PANELS
CAT 6A E2XHD, 110-STYLE, AND QUICKPORT PATCH PANELS
- Available in cassette-style, 110-Style, and QuickPort flat, angled, recessed angled, recessed, and zero-u configurations in 12-, 24-, 48-, and 72-port counts
- Patented triple-stage compensation design with integrated flexible circuit enhances link and channel performance
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- QuickPort patch panels available for high-density applications — 1RU, 48-port

PART NUMBERS - Common part numbers shown. Many additional colors, lengths, and other options available online.

<table>
<thead>
<tr>
<th>LEVITON CONNECTORS</th>
<th>STANDARD</th>
<th>WITH SHUTTER</th>
<th>ADDITIONAL ICONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atlas-X1 Cat 6A Component-Rated QuickPort Connector</td>
<td>6AUJK-R*6</td>
<td>6AUJK-S*6</td>
<td>ICONS-<em>C</em></td>
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<tr>
<td>LEVITON E2XHD CASSETTES</td>
<td>E2XHD Empty Cassette+</td>
<td>E2XHD-BRK</td>
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<tr>
<td>LEVITON PATCH PANELS</td>
<td>1RU, 24-PORT</td>
<td>1RU, 48-PORT</td>
<td>2RU, 48-PORT</td>
</tr>
<tr>
<td>CAT 6A Flat 110-Style Patch Panel</td>
<td>6AS86-U24</td>
<td>6AS86-U48</td>
<td></td>
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<tr>
<td>CAT 6A Angled 110-Style Patch Panel</td>
<td>6AS87-U24</td>
<td>6AS87-U48</td>
<td></td>
</tr>
<tr>
<td>e2XHD High-Density Flat Patch Panel*</td>
<td>E2X1F-D48</td>
<td>E2X4F-192</td>
<td></td>
</tr>
<tr>
<td>e2XHD High-Density Angled Patch Panel*</td>
<td>E2X1A-D48</td>
<td>E2X4A-192</td>
<td></td>
</tr>
<tr>
<td>Flat QuickPort Patch Panel+</td>
<td>49255-H24</td>
<td>49255-Q24</td>
<td>49255-H48</td>
</tr>
<tr>
<td>Angled QuickPort Patch Panel+</td>
<td>49256-H24</td>
<td>49256-D48</td>
<td>49256-H48</td>
</tr>
</tbody>
</table>

| LEVITON 110-STYLE WALL-MOUNT WIRING BLOCK KIT | 64-PAIR |
| CAT 6A 110-Style Wiring Block, wall mount with legs and C-4 clips* | 41D6A-1F4 |

<table>
<thead>
<tr>
<th>LEVITON PATCH CORDS</th>
<th>PLENUM REEL</th>
<th>RISER REEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>LANmark-XTP Cat 6A UTP Cable, Blue</td>
<td>11082057</td>
<td>11082062</td>
</tr>
<tr>
<td>LANmark-XTP Cat 6A UTP Cable, White</td>
<td>11082058</td>
<td>11082063</td>
</tr>
<tr>
<td>LANmark-XTP Cat 6A UTP Cable, Grey</td>
<td>11082059</td>
<td>11082064</td>
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</table>

* = Connector Color: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (B), Green (G), Grey (G), Black (E), Brown (B)
+ = Sold empty, load with 6AUJK connectors
* = Sold empty, load with E2XHD-BRK cassettes
** = For consolidation point, legs are non-removable and not sold separately
xx = Length: 3', 5', 7', 10', 15', 20' feet
* = Color: White (W), yellow (Y), blue (B), black (E), red (R), green (G), grey (G), orange (O), violet (V)

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