

SYSTEM DATA SHEET — EUROPE

ATLAS-X1™ CAT 6 UNSHIELDED SYSTEM

Our best Cat 6 system features the ATLAS-X1 jack and offers superior performance for mission-critical applications

- Exceeds ISO/IEC 11801-1 Class E and ANSI/TIA-568.2-D Cat 6 requirements for channel, link, and component performance to support IEEE 1000BASE-T networks
- Third-party tested
- Error-free performance up to 1 Gigabit Ethernet with full duplex transmission
- Provides additional performance margin to reliably support Gigabit Ethernet in high-noise environments
- Provides bandwidth required for multimedia, broadband, and video applications
- Meets PoE standards up to 100 watts

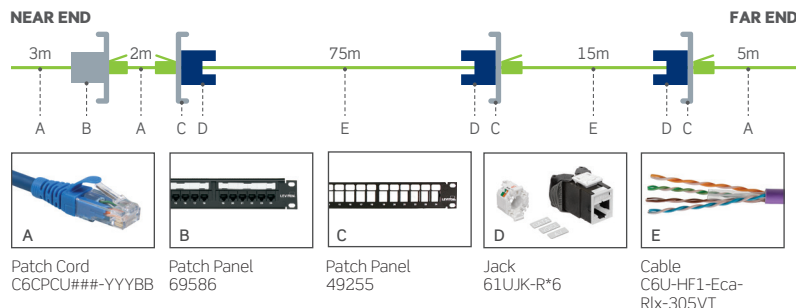
TYPICAL * SYSTEM PERFORMANCE PARAMETERS

ATLAS-X1 CAT 6 UNSHIELDED SYSTEM CHANNEL TYPICAL MARGINS*								
	Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSELFEXT)	Return Loss	ACR-N	PSACR-N
Standard (250MHz)	36 dB	33.1 dB	30.2 dB	15.3 dB	12.3 dB	8 dB	2.9 dB	5.8 dB
Regional Guaranteed Margins** for Europe	3%	3 dB	3 dB	3 dB	4 dB	2 dB	4 dB	4 dB
Typical Performance Margin	6.5%	10 dB	11 dB	11 dB	13 dB	6 dB	12 dB	11 dB

*All parameters comply with ISO/IEC 11801-1 Class E requirements across the entire frequency range. System performance is representative of the specific components and topologies as listed on this system data sheet. Typical performance values are based on third-party lab verified testing, in-house testing and field test data. Field installed channel performance may vary based on the channel topology, installation practices, installation environment and accuracy of the handheld tester. Only Leviton approved testers may be used. All stated performance specifications are subject to the terms and conditions of the manufacturers warranties. Details at www.leviton.com.

** Values represent guaranteed margins to ANSI/TIA-568.2-D standard at 20°C ambient temperature. All parameters comply with ANSI/TIA-568.2-D Cat 6 and ISO/IEC 11801-1 Class E requirements across the entire frequency range. All values represent worst-case margins for 17 to 100 meter channel configurations. System performance margin guarantees are representative of the specific components and topologies as listed in this document. Contact your Leviton technical representative for more information on alternative components and channel configurations. Details at Leviton.com/NS/Warranty. Guaranteed System Performance applies exclusively when the system is installed and tested by Leviton Network Solutions Certified Installers. Guaranteed margin values apply at the time of installation.

SYSTEM TOPOLOGY



YYY = Color: Gray (888), Red (111), Blue (444), Green (555), Yellow (666)

RECOMMENDED FOR

1000BASE-T network applications and mission-critical systems

Network applications in data center, financial, health care, government, transportation, and education environments

Applications requiring PoE support up to 100 watts

Networks with high bandwidth utilization requirements

Any IP-based system utilizing UTP cabling

AV systems for high-end conference rooms and classrooms

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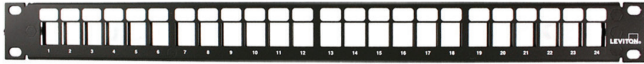
Cat
ATLAS-X1



JACKS

ATLAS-X1™ CAT 6 COMPONENT-RATED QUICKPORT™ JACKS

- Third-party tested and verified to exceed performance requirements
- Tested and approved for use in air-handling spaces (plenum rating) in accordance with UL Standard 2043
- Patented Retention Force Technology protects against tine damage and maintains contact force between plug and jack, preventing arcing from intermittent disconnects in PoE applications
- PoE optimized tine geometry prevents arcing damage where plug and jack make contact, extending the life of the jack and ensuring maximum performance (see specification sheets for full PoE capabilities)
- Solid metal body dissipates 53% more heat than plastic, minimizing damage from excess heat in PoE applications
- Available with internal shutter to protect from dust and debris
- Unique, tool-free design requires no specialized termination or re-termination tool
- Short jack design supports a wider range of applications (e.g. shallow boxes, enclosures, bend radius, etc.)
- Interchangeable icons in 13 colors (VOICE, DATA, AV, and blank) make it easy to identify and track data, voice, or other functions (select jacks include color matching icons)
- QUICKPORT jacks are compatible with all Leviton modular panels, wallplates, and surface-mount boxes



PATCH PANELS

CAT 6 110-STYLE AND QUICKPORT PATCH PANELS

- 110-style patch panels exceed requirements for Category 6 described in ANSI/TIA-568.2-D and Class E requirements described in ISO/IEC 11801-1
- Third-party tested and verified to exceed performance requirements
- Available in flat and angled configurations
- Gas-tight insulation displacement contacts provide excellent conductor retention and resistance to surface-contact oxidation for life of the system
- Universal T568A and T568B wiring cards for 110-style IDC terminations
- QUICKPORT available in flat, angled, and zero-RU configurations
- Angled configurations allow for cords to easily route directly into vertical managers
- Select panels available in white powder coat finish
- Available in a front loading UTP QUICKPORT configuration that supports jack installation from the front or rear of the panel



PATCH CORDS

CAT 6 LSHF/LSZH PATCH CORDS

- Low profile boots for higher density blade connectivity
- 24-gauge stranded conductors for enhanced flexibility and extended flex life
- Nominal outer diameter of 5.8 mm (.228") to reduce cable pathways in racks and cabinets
- Available in five stocked colors and stocked lengths of 1, 1.5, 2, 3, and 5 meters
- Additional non-stocked lengths are available
- LSHF/LSZH materials as standard



CABLE

CAT 6 UNSHIELDED CABLE

- 23-gauge solid annealed copper wire
- 4 unshielded twisted pairs cabled together, with central separator for increased internal crosstalk performance
- Available in a range of sheath materials to suit a variety of installation environments, including CPR fire performance ratings Eca, Dca, Cca and B2ca, and color coded for identification
- Designed and constructed to give optimal electrical performance to the following standards:
 - ISO/IEC 11801-1 Class E, IEC 61156-5
 - EN 50173-1 and EN 50288-6-1
 - ANSI/TIA-568.2-D
- Supports Gigabit Ethernet

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

JACKS	STANDARD	SHUTTERED	ADDITIONAL ICONS		
ATLAS-X1 Cat 6 Component-Rated QuickPort Jack	61UJK-R*6	61UJK-S*6	ICONS-IC*		
PATCH PANELS	1RU 24-PORT	1RU 48-PORT	2RU 48-PORT		
Cat 6 Flat 110-Style Patch Panel	69586-B24				
Cat 6 Angled 110-Style Patch Panel	69587-U24		69587-U48		
Flat QuickPort Patch Panel+	49255-H24	49255-D48	49255-H48		
Angled QuickPort Patch Panel +	49256-H24	49256-D48	49256-H48		
PATCH CORDS	GRAY	RED	BLUE	GREEN	YELLOW
Cat 6 LSHF/LSZH Unshielded Patch Cord	C6CPCU###-888BB	C6CPCU###-111BB	C6CPCU###-444BB	C6CPCU###-555BB	C6CPCU###-666BB
CABLE					VIOLET
Cat 6 Cable, LSHF/LSZH (Dca, Cca and B2ca EuroClass cables are also available. Please contact your local Leviton representative for further information.)					C6UHF1-Eca-Rlx-305VT

* = Color: White (W), Lt. Almond (T), Ivory (I), Yellow (Y), Orange (O), Crimson (C), Dark Red (R), Purple (P), Blue (L), Green (V), Gray (G), Black (E), Brown (B)
 + = Sold empty, load with 61UJK jacks ### = Length: 1 (010), 1.5 (015), 2 (020), 3 (030), 5 (050) meters