

SYSTEM DATA SHEET — EUROPE

# ATLAS-X1™ CAT 5E UNSHIELDED SYSTEM

Our best Cat 5e system features the Atlas-X1 jack and premium Cat 5e cable

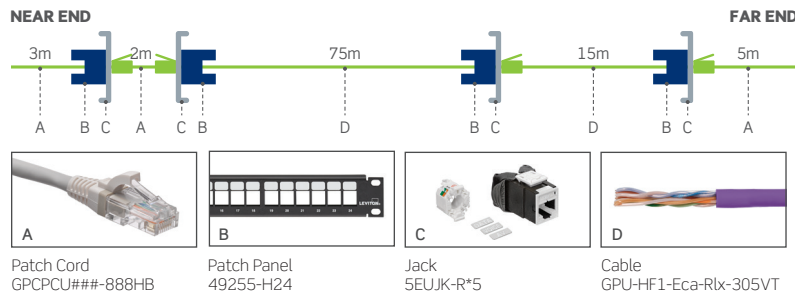
- Exceeds ISO/IEC 11801-1 Class D and ANSI/TIA-568.2-D Cat 5e requirements for channel, link, and component performance to support IEEE 1000BASE-T networks
- Increases network efficiency and uptime with lower bit error rates
- Leviton System Lab tested ensuring consistent performance
- Atlas-X1 jack is independently tested to exceed performance standards, features tool-free terminations, and has PoE optimized tine geometry

## TYPICAL \* SYSTEM PERFORMANCE PARAMETERS

ATLAS-X1 CAT 5E UNSHIELDED SYSTEM CHANNEL TYPICAL MARGINS*								
	Insertion Loss	NEXT	PSNEXT	ACR-F (ELFEXT)	PSACR-F (PSSELFEXT)	Return Loss	ACR-N	PSACR-N
Standard (100MHz)	24.1 dB	30.1 dB	27.1 dB	17.4 dB	14.4 dB	10.0 dB	N/A	N/A
Typical Performance Margin	10%	9.0 dB	11.0 dB	11.0 dB	13.0 dB	6.0 dB	11.0 dB	13.0 dB

\*All parameters comply with ISO/IEC 11801-1 Class D 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](http://www.leviton.com).

## SYSTEM TOPOLOGY



### RECOMMENDED FOR

1000BASE-T network applications and mission-critical systems

Horizontal data and voice applications

Networks with high bandwidth utilization requirements

Large enterprises

PoE standards: IEEE 802.3af, 802.3at, 802.3bt (Type 3), and Cisco UPoE up to 60 watts





## JACKS

### ATLAS-X1™ CAT 5E COMPONENT-RATED QUICKPORT® JACKS

- 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 against time 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)
- Proudly manufactured in the U.S.



## PATCH PANELS

### CAT 5E QUICKPORT PATCH PANELS

- Available in flat, angled, recessed, and Zero-U configurations
- Accepts all QuickPort jacks



## PATCH CORDS

### CAT 5E PATCH CORDS

- Low profile boots for higher density blade connectivity
- 24-gauge stranded for maximum flexibility and extended flex life
- Nominal outer diameter of 5.4 mm (.213") to reduce cable pathway congestion in racks and cabinets
- Available in five colors and stocked lengths of 1, 1.5, 2, 3, and 5 meters
- Make-to-order custom lengths are available



## CABLE

### CAT 5E UNSHIELDED CABLE

- 24-gauge solid annealed copper wire
- 4 unshielded twisted pairs cabled together
- Available in a range of sheath materials to suit a variety of installation environments 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 50288-3-1
  - ANSI/TIA-568.2-D
- Supports Gigabit Ethernet
- Designed and manufactured in a carbon neutral facility in the UK
- Delivered in 100% recyclable packaging

## 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 5e Component-Rated QuickPort Jack	5EUJK-R*5	5EUJK-S*5	ICONS-IC*		
PATCH PANELS	1RU 24-PORT	1RU 48-PORT	2RU 48-PORT		
Cat 5e Flat 110-Style Patch Panel	Contact Customer Service for information	Contact Customer Service for information	Contact Customer Service for information		
Atlas-X1 Flat Shielded QuickPort Patch Panel+	4S255-S24	4S255-D48	4S255-S48		
Atlas-X1 Angled Shielded QuickPort Patch Panel+	4S256-S24	4S256-D48	4S256-S48		
Flat QuickPort Patch Panel+	49255-H24		49255-H48		
Angled QuickPort Patch Panel+	49256-H24		49256-H48		
PATCH CORDS	GRAY	RED	BLUE	GREEN	YELLOW
Cat 5e Patch Cord	GPCPCU###-888HB	GPCPCU###-111HB	GPCPCU###-444HB	GPCPCU###-555HB	GPCPCU###-666HB
CABLE					VIOLET
Cat 5e Unshielded Cable, LSHF/LSZH (Additional higher EuroClass cables are available. Please contact your local Leviton representative for further information.)					GPU-HF1-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 5EUJK jacks  
 ### = Length: 1 (010), 1.5 (015), 2 (020), 3 (030), 5 (050) meters