

IOWA

Game Changer Cabling

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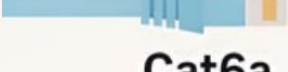
What is “GameChanger Cabling”?

- [Paige Datacom Solutions](#) developed the patented GameChanger® cable platform.
- Designed to extend Ethernet and PoE beyond the traditional 100-meter limitation

History of Cabling Standards at UI

- Cat 5 installed in early 1990s 10%
- Cat 5e installed in early 2000s 55%
- Cat 6 was adopted as standard in 2014 15%
- Cat 6a was adopted as standard in 2020 20%

Cabling performance

 Cat5	100 MHz 100 Mbps
 Cat5e	100 MHz 1 Gbps
 Cat6	250 MHz 1 Gbps
 Cat6a	500 MHz 10 Gbps

The Traditional Network Challenge

- Standard CAT6 Limitations
- Conventional Ethernet distance limit:
 - 100 meters / 328 feet



Resulting Problems

- Increased installation costs
- More maintenance points
- Higher labor expenses
- Greater network complexity
- Increased failure risks

How GameChanger® Solves the Problem

Extended Distance Performance

GameChanger® can deliver:

- 2.5 Gbps + 100W PoE up to 200 meters (656 feet)
- 10 Mbps + 100W PoE up to 850 feet (259 meters)

Benefits

- Eliminate intermediate IDFs
- Reduce switch count
- Simplify installations
- Maintain reliable power delivery

Major Cost Savings

Organizations can reduce

- Additional telecom closets
- Rack equipment
- HVAC requirements
- UPS systems
- Fiber converters
- Labor hours

Operational Savings

- Fewer devices to manage
- Lower maintenance costs
- Reduced troubleshooting complexity
- Improved long-term scalability

Ideal Applications

- **Security & Surveillance**

- IP cameras
- Remote parking lots
- Campus security

- **Wireless Networking**

- Outdoor Wi-Fi access points
- Stadiums
- Warehouses



Technical Advantages

- 22 AWG conductors
- Supports all 8 PoE classes
- Compatible with many CAT6 jacks and patch panels

Reliability & Performance

Reduced Failure Points by eliminating:

- Extra switches
- Repeaters
- Media converters
- Intermediate closets

Organizations gain:

- Simpler troubleshooting
- Higher uptime
- Cleaner network architecture

Show and Tell

Take a closer look at the display near the entrance!



Wireless Access Points



<https://portal.facilities.uiowa.edu/portal/apps/experiencebuilder/experience/?id=f7390c80511443868df742a95cdb22af>

Competitive Advantages

Why Choose GameChanger®

- Extended Ethernet distance
- Lower installation cost
- Faster deployment
- Simplified design
- Reduced maintenance
- Strong PoE support
- Flexible deployment options

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Thank you

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