



UltraJAX Taking RJ Connectors to the Next Level

The UltraJax is a whole new technology for RJ connectors. Traditional RJ Connectors have provided customers reliable connectivity solutions for years. Now, UltraJax connectors have emerged capable of multiple applications and uses. Double the port count in the same space, saves printed board space, added strain relief, and will perform in harsh environments. The UltraJAX is the ultimate design for Gigabit, 10GB and PoE applications. “Smart – The best solution for any connection”

The Features and Benefits show you why UltraJAX take RJ connectivity to the next level.

- Every UltraJAX connector is equal to two RJ45 or four RJ11 Connectors.
- Eliminate contact pins with a more secure contact solution.
- UltraJAX printed circuit board contact pads are precise contact points.
- Male Plug surrounds printed circuit board for precision mating.
- Improved Strain Relief
- Harsh Environments
- Reduces the Number of Cables
- Reduced Printed Circuit Board Space Required
- Reduces EMI
- Reduces Cost of RJ Connectors
- Cables and Adapter in any Size
- Simplifies Design Requirements.
- Designed for Gigabit and 10GB
- Best Solution for PoE with components integrated to printed circuit board and reduced contact pin lengths.

The UltraJax single port design offers a dual function RJ style connector which performs like two RJ45's, four RJ11's or both RJ45 and RJ12 or RJ11 combination depending on your application. Imagine having this functionality with half the space and cost. The UltraJax contact assemblies are housed with both eight contacts on top and eight on the bottom which makes the connector capable of performing multiple functions. The UltraJax can withstand a harsher environment and are more durable than the standard RJ connectors as the contacts are not exposed.



All adaptor cables will have the UltraJax plug on one end and the other end will support various combinations of standard RJ45, RJ12 or RJ11 plugs and or jacks all at the same time again depending on your application. Xmultiple will make adaptor cables specifically for your product design. The plug has a special keyed feature which will not allow any standard RJ plug to mate therefore eliminating any potential damage which could be caused by a customer plugging in the wrong plug into the unit while out in the field.

With the UltraJax male plug both RJ11 and RJ45 functions are operational at the same time. The UltraJax male plug is at one end of two twisted pair cables, each cable terminated at the other end with either an RJ11 and or RJ45. These UltraJax cables are called UltraJax "Y-cables".

In the networking world UltraJax will double the port count of hubs, switches, routers and adapter cards using less than half the space of standard two port RJ connectors. In the telephone world UltraJax will provide double the connections to telephones in products such as phone handsets, wall plates, and patch panels. One UltraJax connector in a two line phone will do what two connectors are required to do today. In addition the UltraJax is designed for 10GB UTP applications which are emerging.

The UltraJax is ideal for power over Ethernet and the emerging 10Gb Ethernet market. But more importantly the UltraJax will reduce the board space required for RJ connectors and provide a substantial reduction in cost.

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