



[www.vitalconn.com](http://www.vitalconn.com)



VITALCONN ELECTRONICS  
Email: [info@vitalconn.com](mailto:info@vitalconn.com)  
Website: [www.vitalconn.com](http://www.vitalconn.com)



## VITALCONN ELECTRONICS HK LTD



**FOR YOUR VITAL  
CONNECTION!**

威特康電子香港有限公司  
威泰創電子科技(深圳)有限公司



## > About VITALCONN

VITALCONN develops, manufactures and sells interconnect connectors which are primarily used in networking, telecommunications, computing, broadcasting, automotive, medical industry and consumer electronics markets. Our main products include: Modular Jack RJ11/RJ45, Ethernet Connector Modules (ICM RJ45), Fiber Optics connectors SFP/SFP+ cages, Ethernet Transformer Modules and many other I/O connectors e.g. HDMI connectors, USB Type C, DC Jacks, FPC&Box headers etc.

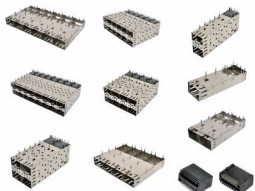
Our sales offices are located in high tech district in Shenzhen and HK. Our manufacturing facilities are located in electronics manufacture town Dongguan and Foshan, China. Our facilities are ISO 9001:2004 certificated and strictly control in accordance with ISO 14001:2004 environmental management system, fully implementing of lead free environmental protection process control to meet green environmental protection requirements of EU RoHS.

- **Our Goal:** to be the vital connector partner for leading companies of supplying communication network equipment and devices.
- **Our Slogan:** FOR YOUR VITAL CONNECTION! 勇于创新，志在连接
- **Our Logo:** “VITALCONN” is made by 2 English words: VITAL and CONN, CONN is an abbreviation of “CONNECTOR” and “CONNECTION” which makes our logo means “vital connector” or “vital connection”. This would also be our core value of VITALCONN: “For your vital connection, to be your vital connector partner!”

## Product Category

### Fiber Optics Connectors

• SFP/SFP+/QSFP+/QSFP+28G/More



#### SFP Cage Series

##### Configurations

1\*N: 1X1, 1X2, 1X4, 1X6, 1X8  
2\*N: 2X1, 2X2, 2X4, 2X6, 2X8

##### General Characteristic

- RoHS Compliant
- Industry Standard Footprint
- Industry Standard EIA-364

##### Mechanical

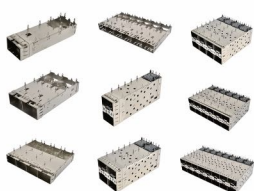
- Press Fit pins and Solder Tails options
- Durability: 250 mating cycles min

##### Temperature Rating:

- Operating Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +105°C

##### Optional

- Dust Cover
- Light Pipes



#### SFP+ Cage Series

##### Configurations

1\*N: 1X1, 1X2, 1X4, 1X6, 1X8  
2\*N: 2X1, 2X2, 2X4, 2X6, 2X8

##### General Characteristic

- RoHS Compliant
- Industry Standard Footprint
- Industry Standard EIA-364

##### Mechanical

- Press Fit pins and Solder Tails options
- Durability: 250 mating cycles min

##### Temperature Rating:

- Operating Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +105°C

##### Optional

- Dust Cover
- Light Pipes



#### QSFP+ Series

##### Configurations

1\*N: 1X1, 1X2, 1X4, 1X6, 1X8  
2\*N: 2X1, 2X2, 2X4, 2X6, 2X8

##### General Characteristic

- RoHS Compliant
- Industry Standard Footprint
- Industry Standard EIA-364

##### Mechanical

- Press Fit pins and Solder Tails options
- Durability: 250 mating cycles min

##### Temperature Rating:

- Operating Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +105°C

##### Optional

- Dust Cover
- Light Pipes
- Heat Sink
- EMI Shielding
- Elastomeric Gasket



#### QSFP+28G Series

##### Configurations

1\*N: 1X1, 1X2, 1X4, 1X6, 1X8  
2\*N: 2X1, 2X2, 2X4, 2X6, 2X8

##### General Characteristic

- RoHS Compliant
- Industry Standard Footprint
- Industry Standard EIA-364

##### Mechanical

- Press Fit pins and Solder Tails options
- Durability: 250 mating cycles min

##### Temperature Rating:

- Operating Temperature: -40°C to +85°C
- Storage Temperature: -55°C to +105°C

##### Optional

- Dust Cover
- Light Pipes
- Heat Sink
- EMI Shielding
- Elastomeric Gasket

## Magnetic Modular Jack(ICM RJ45)

- 1X1, 1XN, 2XN, SMT, Vertical, RJ45+USB/HDMI



### ICM RJ45 Single Port (Through Hole)

10/100 Base-T, 1000Base-T,  
1G Base-T, 2.5G Base-T

**Physical**  
•Contact: Phosphor Bronze  
•Housing: Thermoplastic UL94V-0  
•Contact: Gold Flash, 3u", 15u",  
30u" and 50u"

**Mechanical**  
•Insertion Force: 5lbs Max  
•Extraction Force: 5lbs Max  
•Durability: 750 cycles round pin,  
600 cycles flat pin

**Environment**  
•Operating Temp.: -40°C~+85°C  
•Storage Temp.: -40°C~+85°C

**Packaging:**  
•Tray  
•Tape&Reel



### ICM RJ45-1XN Series 1X1, 1X2, 1X3, 1X4, 1X6, 1X8

10/100 Base-T, 1000Base-T, 1G Base-T,  
2.5G Base-T, 5G Base-T, 10G Base-T

**Physical**  
•Contact: Phosphor Bronze  
•Housing: Thermoplastic UL94V-0  
•Contact: Gold Flash, 3u", 15u",  
30u" and 50u"

**Mechanical**  
•Insertion Force: 5lbs Max  
•Extraction Force: 5lbs Max  
•Durability: 750 cycles round pin,  
600 cycles flat pin

**Environment**  
•Operating Temp.: -40°C~+85°C  
•Storage Temp.: -40°C~+85°C

**Packaging:**  
•Tray



### ICM RJ45-2XN Series 2X1, 2X2, 2X3, 2X4, 2X6, 2X8

10/100 Base-T, 1000Base-T, 1G Base-T,  
2.5G Base-T, 5G Base-T, 10G Base-T

**Physical**  
•Contact: Phosphor Bronze  
•Housing: Thermoplastic UL94V-0  
•Contact: Gold Flash, 3u", 15u",  
30u" and 50u"

**Mechanical**  
•Insertion Force: 5lbs Max  
•Extraction Force: 5lbs Max  
•Durability: 750 cycles round pin,  
600 cycles flat pin

**Environment**  
•Operating Temp.: -40°C~+85°C  
•Storage Temp.: -40°C~+85°C

**Packaging:**  
•Tray



### ICM RJ45-SMT Type

10/100 Base-T, 1000Base-T, 1G Base-T

**Physical**  
•Contact: Phosphor Bronze  
•Housing: Thermoplastic UL94V-0  
•Contact: Gold Flash, 3u", 15u",  
30u" and 50u"

**Mechanical**  
•Insertion Force: 5lbs Max  
•Extraction Force: 5lbs Max  
•Durability: 750 cycles round pin,  
600 cycles flat pin

**Environment**  
•Operating Temp.: -40°C~+85°C  
•Storage Temp.: -40°C~+85°C

**Packaging:**  
•Tape&Reel



### ICM RJ45-Vertical Type

10/100 Base-T, 1000Base-T, 1G Base-T

**Physical**  
•Contact: Phosphor Bronze  
•Housing: Thermoplastic UL94V-0  
•Contact: Gold Flash, 3u", 15u",  
30u" and 50u"

**Mechanical**  
•Insertion Force: 5lbs Max  
•Extraction Force: 5lbs Max  
•Durability: 750 cycles round pin,  
600 cycles flat pin

**Environment**  
•Operating Temp.: -40°C~+85°C  
•Storage Temp.: -40°C~+85°C

**Packaging:**  
•Tray



### ICM RJ45-RJ45+USB/HDMI Series

10/100 Base-T, 1000Base-T, 1G Base-T

**Physical**  
•Contact: Phosphor Bronze  
•Housing: Thermoplastic UL94V-0  
•Contact: Gold Flash, 3u", 15u",  
30u" and 50u"

**Mechanical**  
•Insertion Force: 5lbs Max  
•Extraction Force: 5lbs Max  
•Durability: 750 cycles round pin,  
600 cycles flat pin

**Environment**  
•Operating Temp.: -40°C~+85°C  
•Storage Temp.: -40°C~+85°C

**Packaging:**  
•Tray

## Modular Jack Connectors

- 1X1, 1XN, 2XN, SMT, Vertical, RJ45+USB/HDMI



### Modular Jack Single Port (Through Hole)

**Physical**  
 •Contact: Phosphor Bronze  
 •Housing: Thermoplastic UL94V-0  
 •Contact: Gold Flash, 3u", 15u", 30u" and 50u"

**Mechanical**  
 •Insertion Force: 5lbs Max  
 •Extraction Force: 5lbs Max  
 •Durability: 750 cycles round pin, 600 cycles flat pin

**Environment**  
 •Operating Temp.: -40°C→+85°C  
 •Storage Temp.: -40°C→+85°C

**Packaging:**  
 •Tray  
 •Tape&Reel



### Modular Jack-1XN Series 1X1, 1X2, 1X3, 1X4, 1X6, 1X8

**Physical**  
 •Contact: Phosphor Bronze  
 •Housing: Thermoplastic UL94V-0  
 •Contact: Gold Flash, 3u", 15u", 30u" and 50u"

**Mechanical**  
 •Insertion Force: 5lbs Max  
 •Extraction Force: 5lbs Max  
 •Durability: 750 cycles round pin, 600 cycles flat pin

**Environment**  
 •Operating Temp.: -40°C→+85°C  
 •Storage Temp.: -40°C→+85°C

**Packaging:**  
 •Tray



### Modular Jack-2XN Series 2X1, 2X2, 2X3, 2X4, 2X6, 2X8

**Physical**  
 •Contact: Phosphor Bronze  
 •Housing: Thermoplastic UL94V-0  
 •Contact: Gold Flash, 3u", 15u", 30u" and 50u"

**Mechanical**  
 •Insertion Force: 5lbs Max  
 •Extraction Force: 5lbs Max  
 •Durability: 750 cycles round pin, 600 cycles flat pin

**Environment**  
 •Operating Temp.: -40°C→+85°C  
 •Storage Temp.: -40°C→+85°C

**Packaging:**  
 •Tray



### Modular Jack-SMT Type

**Physical**  
 •Contact: Phosphor Bronze  
 •Housing: Thermoplastic UL94V-0  
 •Contact: Gold Flash, 3u", 15u", 30u" and 50u"

**Mechanical**  
 •Insertion Force: 5lbs Max  
 •Extraction Force: 5lbs Max  
 •Durability: 750 cycles round pin, 600 cycles flat pin

**Environment**  
 •Operating Temp.: -40°C→+85°C  
 •Storage Temp.: -40°C→+85°C

**Packaging:**  
 •Tape&Reel



### Modular Jack-Vertical Type

**Physical**  
 •Contact: Phosphor Bronze  
 •Housing: Thermoplastic UL94V-0  
 •Contact: Gold Flash, 3u", 15u", 30u" and 50u"

**Mechanical**  
 •Insertion Force: 5lbs Max  
 •Extraction Force: 5lbs Max  
 •Durability: 750 cycles round pin, 600 cycles flat pin

**Environment**  
 •Operating Temp.: -40°C→+85°C  
 •Storage Temp.: -40°C→+85°C

**Packaging:**  
 •Tray  
 •Tape&Reel



### Modular Jack-RJ45+USB/ HDMI Series

**Physical**  
 •Contact: Phosphor Bronze  
 •Housing: Thermoplastic UL94V-0  
 •Contact: Gold Flash, 3u", 15u", 30u" and 50u"

**Mechanical**  
 •Insertion Force: 5lbs Max  
 •Extraction Force: 5lbs Max  
 •Durability: 750 cycles round pin, 600 cycles flat pin

**Environment**  
 •Operating Temp.: -40°C→+85°C  
 •Storage Temp.: -40°C→+85°C

**Packaging:**  
 •Tray

## Ethernet Transformer Modules and More other Connectors



### LAN Transformer Series

- RoHS compliant
- Compatible with major PHY suppliers worldwide
- 100/1000/2.5G/5G/10GBASE-T
- SMD/DIP package
- Single/Dual/Quad port configuration
- Optional PoE (IEEE 802.3af) and PoE+ (IEEE802.3at) and extended temperature solutions
- Industry-standard footprint
- High-reliability and low yield loss



### More I/O connectors

- USB Type C
- HDMI Connectors
- DC Jacks
- FPC&Box Header Connectors
- PCMCIA Series
- Hard Disk Connector

## ➤ Target Applications and Markets

### Our target application and markets

VITALCONN Electronics is a vital connector company in interconnect solutions for the information, communications, industrial and consumer electronics markets.

Network and Communications

Server

Storage



Industrial

Mobile

Wireless Infrastructure

## ➤ Our Customers

### Customers we are serving and will be serving



*To be your vital connector partner!*