

# IVR-100G

## Test Module



IVR-100G test module is particularly designed for network test engineer to do deployment and comprehensive test for Ethernet and OTN. This module satisfies the current increasingly test demand of Core Network and MAN 100GE and OTU4 such high speed network performance and stability. It fully meets Ethernet standards such as RFC-2544, Y.1564, Multiple Streams, and supports 100 Gigabit Ethernet WAN and LAN network test with high reliability, convenience, and flexibility.

*Product images are for illustrative purposes only and may differ from the actual product.*

- Service Disruption Measurements
- Overhead monitoring and byte decoding
- Terminate and Through test modes
- Per-lane optical power and frequency measurements
- External clock reference interface
- Error Injection and Alarm Generation

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## *Main Features* *IVR-100G Ethernet/OTN test module*

### Ethernet:

- PHY and PCS test
- Throughput, frame loss, latency, back-to-back test as per RFC2544
- Support ITU-T Y.1564 test to assure a complete verification of all SLA parameter, and to ensure the QoS according to the design requirements.
- Ethernet BERT test
- Allow stream-generation according to VLAN ID/priority, Q in Q and TOS/DSCP configuration
- Feature-rich stream statistics, error analysis and alarm indication
- MPLS/PWE3
- Protection switching test, and the accurate time test of the business interruption
- Layer 1 to layer 4 and loopback test

### OTN:

- OTN testing for OTU4
- Complete multi-stage Mapping/Multiplexing
- Ethernet over OTN

## *Front Panel View* *IVR-100G Ethernet/OTN test module*



## IVR-100G Description and Specifications

Interfaces	Quantity	Description
100G Ethernet/OTN Optical Interface	1	<ul style="list-style-type: none"> <li>Signal: 100Gb/s optical signal</li> <li>Type: CFP2 optical port</li> </ul>
External CLK Interface	1	<ul style="list-style-type: none"> <li>Signal: External clock signal, support                             <ul style="list-style-type: none"> <li>DS1/E1</li> <li>E1</li> <li>2M Hz</li> </ul> </li> <li>Type: SMA</li> <li>Impedance: 50 ohm</li> </ul>
Reference Output CLK Interface	1	<ul style="list-style-type: none"> <li>Signal: Output a reference clock signal for other equipment</li> <li>Type: SMA</li> <li>Impedance: 50 ohm</li> </ul>

Interface	LED	Status	Description
100Gigabit Ethernet	LINK/ACT	Green	Link has been established successfully, but no data frame transmission
		Green, (Flashing)	Link has been established successfully, data frame is transmitting
		Off	Link has not been established
	LASER	Red	Optical signal is transmitting
		Off	No optical signal transmission

Environmental Guidelines	Temperature Range	Humidity Range
Operational	-10°C ~ 50°C	0% ~ 95% (non-condensing)
Storage	-40°C ~ 70°C	0% ~ 95% (non-condensing)

Specification	Description
Power consumption	< 24W
Dimension	Dimension (H×W×D) = 25mm x 97mm x 259mm;
Weight	< 0.4kg

• InterVRE reserves the right to alter and amend the design, characteristics and specifications without notice or obligation.