

**Test Report For.: Dual IP Layer Operation: Address Configuration**

**Product.: $ProductName$**

**Model No.: $ModelNo$**

**Test Report No.: $ReportNo$**

Assessment: As per ANNEXURES TO Ers No.: TEC/SD/DD/TCP-222/2.13/July 2023, Annex-P6

RFC 4213-Clause 2.1

**DELTAPHI LABS PVT. LT**

**606, Meadows, Sahar Plaza Andheri Kurla Road, Mumbai 400059 Maharashtra, India**

# TEST REPORT

|  |  |
| --- | --- |
| **Applicant:** | Security Department, DLPL |
| **Applicant/Customer Address:** | 606, DLPL, Meadows, Sahara Plaza, J B Nagar. |
| **Manufacturer:** | $Mfg$ |
| **Test Name:** | Dual IP layer operation: Address Configuration |
| **Assessment / Test Method:** | As per ANNEXURES TO Ers No.: TEC/SD/DD/TCP-222/2.13/July 2023, Annex-P6 RFC 4213 Clause 2.1 |
| **Statement of Conformity (Doc)** | The Statement of conformity (Doc) given is on basis of standards requirement. |
| **Interface(s) offered under test** | Gigabit Ethernet Interface |
| **Test Report No:** | $ReportNo$ |
| **Sample ID:** | $SampleID$ |
| **Model No:** | $ModelNo$ |
| **Test Engineer:** | ##TesterName## |
| **Authorized by:** | Madan Jathar |
| **Condition of DUT:** | Working |
| **Location of test performed:** | At Lab |
| **Date of receipt of the test item(s):** | ##Insert Date## |
| **Date of commencement of testing:** | ##Insert Date## |
| **Date of completion of testing:** | ##Insert Date## |
| **Test Report Issue date:** | ##Insert Date## |
| **Total number of pages:** | ##Insert Total Page## |

**Report Summary**

A sample unit of M/s **N/A**.Product: **$ProductName$**, Model: **$ModelNo$** Serial No. **$SN$** with Interface- **Dual IP Layer Operation: Address** was tested as per TEC ER standard (**ANNEXURES TO Ers No.: TEC/SD/DD/TCP-222/2.13/July 2023, Annexure-6, RFC 4213 Clause 2.1**). The sample was found to meet the standards as mentioned above and is Fully Compliant.

|  |  |  |
| --- | --- | --- |
| ----------------------------------  ##TesterName## | ----------------------------------  Madan Jathar | ----------------------------------  Madan Jathar |
| **Test Engineer** | **Reviewed By** | **Authorized By** |

**Disclaimer:**

1. EUT (Equipment Under Test).
2. This test report refers to the only particular item submitted for testing.
3. This test report shall not be reproduced except in full without the written permission of Lab Directors of DLPL.
4. DLPL is only responsible for the reported results of tested sample(s), test sample submitted by customers.
5. DLPL is not responsible for the data/information provided by the customer.

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# Section 1: Introduction

## Laboratory Name



## Test Engineer

##TesterName##

## General

This report contains an assessment of the product **$Product$** with Model No.: **$ModelNo$**. The results in the report relate only to the product tested and were obtained in the period between the date of start of testing and date of issue of the report. The assessment of Technical Requirement (TR) has been performed in accordance with the applicable.

All tests were performed under the following conditions:

Temperature range: ##Insert TEMP##.

Humidity range: ##Insert Humidity##

# Section 2: Product Assessed

## Identification presents on Product.

Tested Model No : $ModelNo$

## Associated /Series Models:

Tested Serial No: $SN$

## Test Parameter Assessed

### 2.3.1 Physical Interfaces:

Gigabit Ethernet Cable Cat6

User adjustable parameters affecting compliance: non-declared.

## 2.4 Sample/DUT details

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Sample Model No.** | **Product Description** | **Serial No.** | **Software Version (If Any)** | **Hardware Version (If Any)** |
| 1. | $ModelNo$ | $ProductName$ | $SN$ | $versionofsoftware$ | $HWVersion$ |

# Section 3: Test Schedule

## Specifications

The apparatus was assessed against the following specifications Test Specification/Test Method -Technical Requirements As per ANNEXURES TO Ers No.: TEC/SD/DD/TCP-222/2.13/July 2023, Annexure-P6, RFC 4213 Clause 2.1.

## Special Notes to Test Schedule

* + 1. Safety, EMC & Security testing did not form part of this assessment.

## Test Deletion

Nil

# Section 4: Observations

## Modifications performed during assessment.

No modification was performed on the EUT during assessment.

## Deviations from laboratory Observations

No deviations were made from laboratory Observations.

## Record of DUT behavior

No unusual EUT behavior was observed.

## Details of non-compliances

No Non-compliance was observed during assessment.

# Section 5: Results Summary

## Abbreviations:

The following abbreviations are used in the ‘Results’ column:

**INFO** Clauses for information only

**PASS/Complied** Apparatus satisfies the requirements of the clause.

**FAIL** Apparatus failed to satisfy the requirements of the clause.

**NA** Clause was deemed not applicable due to functionality based on the Information received.

**NT** The clause was not tested at the request of the applicant.

## 5.2 Table of Result Summary

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr.No** | **Test Description** | **Standard** | **Result** | **Page No.** |
| 1 | Dual IP Layer Operation: Address Configuration | As per ANNEXURES TO Ers No.: TEC/SD/DD/TCP-222/2.13/July 2023, Annexure-P6, RFC 4213 Clause 2.1 | $result$ | 11 |

### Table 5.2.1 Result summary

# Section 6: Dual IP Layer Operation: Address Configuration

## Test Setup

### Test Setup Connection diagram.

$InsertImage$

#### **Fig 6.1.1.1 Dual IP Layer Setup Connection Diagram**

### 6.1.2 Test Setup Photograph:

$InsertImage$

#### **Fig. 6.1.2.1 Dual IP Layer Test Setup**

## Test Procedure:

A: To verify the node which supports both ipv4 and ipv6 protocols able to configure both

addresses.

1.Configure both IPv4 and IPv6 addresses on the network interface of the node.

2. Verify that the node's network interface supports both IPv4 and IPv6 protocols.

B: IPV4 node must support DHCP mechanism to acquire their ipv4 addresses.

1. Configure DUT as DHCP client to acquire their IPV4 addresses.

2. Verify DUT support DHCP mechanism to acquire their IP addresses.

C: Pv6 protocol mechanisms (e.g., stateless address autoconfiguration [RFC2462] and/or

DHCPv6) to acquire their IPv6 addresses.

1. Configure DUT as DHCP client to acquire their IPV6 addresses.

2. Verify DUT support DHCP mechanism to acquire their IP addresses.

## Test Result:

|  |  |
| --- | --- |
| Test Description | Dual IP Layer Operation: Address Configuration |
| Interface | Gigabit Ethernet Interface |
| Standard | ANNEXURES TO Ers No.: TEC/SD/DD/TCP-222/2.13/July 2023, Annex-P6 RFC 4213-Clause 2.1 |
| Limits | NA |
| Observation 1 | To verify the node which supports both ipv4 and ipv6 protocols able to configure both addresses. |
| Remark 1 | $result$ |
| Observation 2 | IPV4 node must support DHCP mechanism to acquire their ipv4 addresses.  IPv6 protocol mechanisms (e.g., stateless address autoconfiguration [RFC2462] and/or DHCPv6) to acquire their IPv6 addresses. |
| Remark 2 | $result$ |
| Observation 3 | IPv6 protocol mechanisms, such as stateless address autoconfiguration (defined in RFC2462) or DHCPv6, are used by devices to obtain their IPv6 addresses. |
| Remark 3 | $result$ |

## Observation Screenshot:

**6.4.1 Dual IP layer operation: Address Configuration**

Result: To verify the node which supports both ipv4 and ipv6 protocols able to

configure both addresses.

Result 1: The node supports ipv4 Address Configuration.

$InsertImage$

#### **Fig.6.4.1.1 Result 1**

Result 2: The node supports ipv6 Address Configuration.

$InsertImage$

**Fig.6.4.1.2 Result 2**

**6.4.2** **Dual IP layer operation: Address Configuration.**

Results: IPV4 node must support DHCP mechanism to acquire their ipv4 addresses.

$InsertImage$

#### **Fig.6.4.2.1 Result 1**

Results: IPV6 node must support DHCP mechanism to acquire their ipv6 addresses.

$InsertImage$

**Fig.6.4.2.2 Result 1**

**6.4.3 IPv6 protocol mechanisms, such as stateless address autoconfiguration (defined in**

**RFC2462) or DHCPv6, are used by devices to obtain their IPv6 addresses.**

Results: IPv6 addressing, routers connect computers via Ethernet. The automatic generation of

addresses in the IPv6 address list automatic stateless address configuration.

$InsertImage$

**Fig.6.4.3 .1 Result 1**

## Test Equipment Details:

### 6.5.1 Hardware Details:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of Test**  **Equipment** | **Manufacturer** | **Equipment ID** | **Model** | **Calibration Due Date** |
| 1 | ##Insert Data## | ##Insert Data## | ##Insert Data## | ##Insert Data## | NA |

#### **Table 6.5.1.1 Test equipment Hardware detail**

### 6.5.2 Software Details:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Test**  **Equipment** | **Manufacturer** | **Software Version** | **Updated Date** |
| 1 | ##Insert Data## | ##Insert Data## | ##Insert Data## | NA |

#### **Table 6.5.2.1 Software detail**

# DUT Photographs

## 7.1 DUT Photograph -Front View:

Picture1

## 7.2 DUT Photograph -Side View:

Picture2

## 7.3 DUT Photograph -Port View

**Picture3**