

Hobbes LAN/DTM

Network On-line Status Tester

User Manual



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Hobbes GmbH Europa Distribution
Willhoop 3
22453 Hamburg
Germany

<http://www.hobbes-europe.com>

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Changes and mistakes may occur!

Hobbes LANID™ Network On-line Status Tester

Introduction

Congratulations on your purchase of the Hobbes LANID™ Network Device identifier! The Hobbes LANID™ is the quintessential diagnostic tool for network installers and troubleshooters working with small LANs. Using the Hobbes LANID™, network administrators can quickly confirm features of LAN devices and diagnose problems during LAN installation. With a push of a button, the LAN will determine whether the device you are testing whether it supports the following topologies and capabilities:

- Auto negotiation
- 100BASE-Tx full duplex
- 100BASE-Tx half duplex
- 10BASE-T full duplex
- 10BASE-T half duplex
- 100BASE-T4

Moreover, the Hobbes LANID™ can also act as a network device, negotiating with other LAN devices to determine faults. The “auto-negotiation” function provides automatic speed matching for multi-speed devices, allowing devices to configure to the best possible mode of operation over a link. When linked up with another LAN device, the Hobbes LANID™ will provide the following information about that device:

- Whether the link is up or not
- Whether the device is transmitting a packet or not
- Whether the device is working in full duplex mode or half duplex mode
- Whether the device is operating in 100BASE-Tx, 10BASE-T or 100BASE-T4 mode
- Whether a data transmission error has occurred

The compact “pen style” design provides the user with optimum convenience and portability.

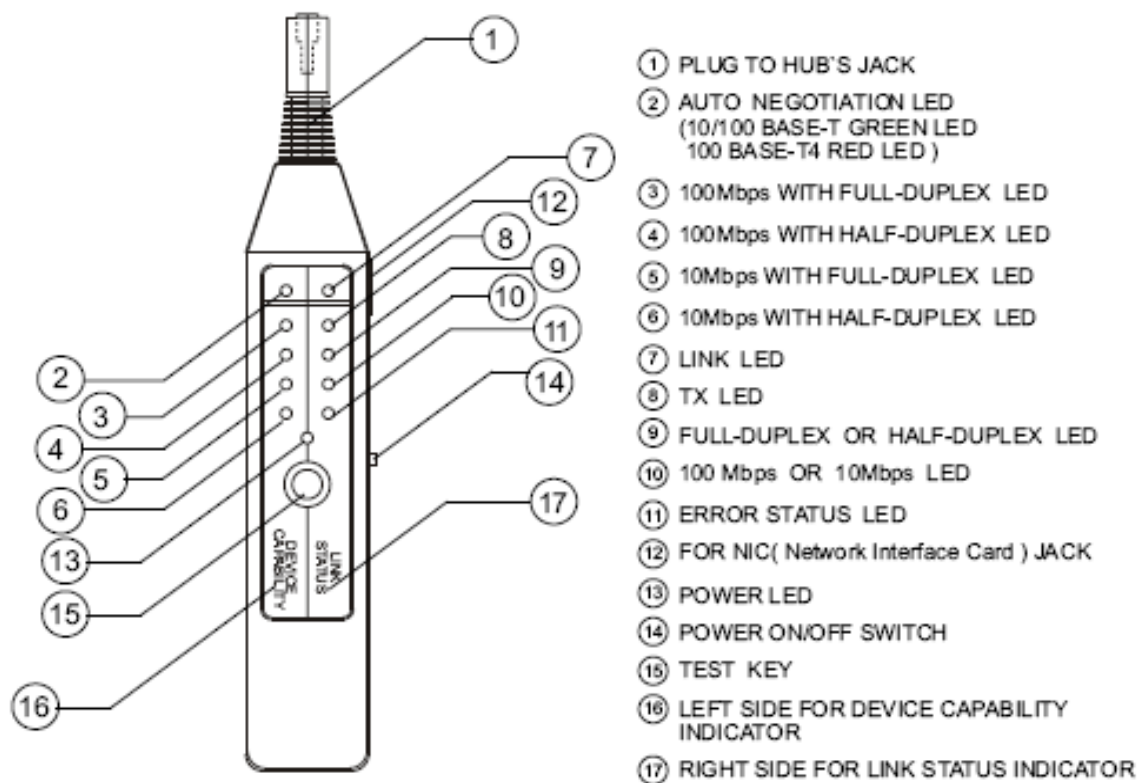
Hobbes LANID™ Contents

1 Hobbes LANID™
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Hobbes LANID™ Network On-line Status Tester

- 1 Soft vinyl carrying pouch
- 15 cm Twisted pairs RJ45 cable
- 1 RJ45 to RJ45 coupler

Product profile



Application

1. HUB Testing

- Turn the power switch on and plug the Hobbes LANID™ marked "Hub" into a hub port, wall plate or patch panel that you wish to test.
- Push the "TEST" button and read the results

Hobbes LANID™

Network On-line Status Tester

- The Hobbes LANID™ will determine the status of the port and display the capabilities of the device connected (left-hand-side) as well as the link status (right-hand side).

2. NIC (Network Interface Card) Testing

- Plug the provided patch cable into the "NIC" port on the right-hand side on the Hobbes LANID™
- Push the "TEST" button and read the results
- The Hobbes LANID™ will display the capabilities of the NIC connected (left-hand side) as well as the link status (right-hand side).
- If you are not sure whether a HUB or NIC is connected on the other end, you can push the "TEST" button to see if the green "LINK" LED lights up.
- This will tell you that the cable is connected to an NIC or a Hub uplink port.

Features

- IEEE 802.3 compliant Fast Ethernet PHY negotiation
- Power down mode significantly reduces power consumption
- LED indicators test and monitor line connection status and determine features of the device being tested
- RJ45 connector allows quick and easy connections to most network devices
- Small, hand help pen-style casing allows for convenient application and portability

Specifications

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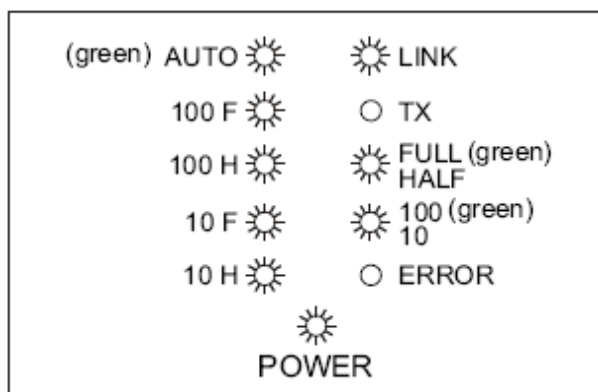
Model number	256655
Connector type	RJ-45
Recommended operation temperature	0 ~ 70 °C
Power supply	DC3V , 2*AAA battery
Power consumption	350 mW typical 100 µW in Power Down Mode
Display	LED indicator
Enclosure	Durable plastic housing
Dimensions	215x34x34mm

LANID Signal Description

○ LED is off

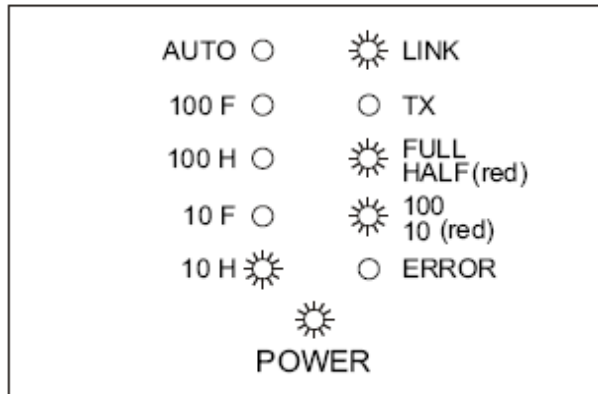
☀ LED is on

1. The tested device is a 10/100 BASE-TX half/full duplex device capable of auto-negotiation and link at a speed of 100Mbps in full-duplex mode

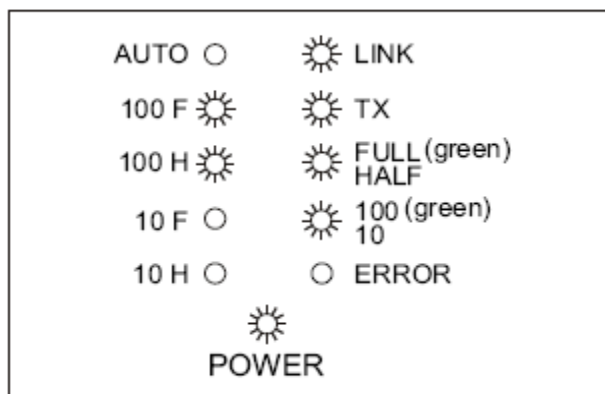


2. The tested device is a 10 BASE-T NIC without auto-negotiation and link at a speed of 10Mbps in half duplex mode.

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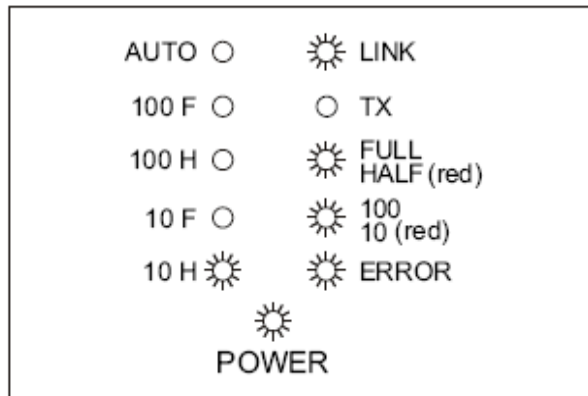


3. The tested device is a 100 BASE-TX full-duplex device capable linked at 100Mbps in full-duplex mode. It is also transmitting an auto-negotiation packet.

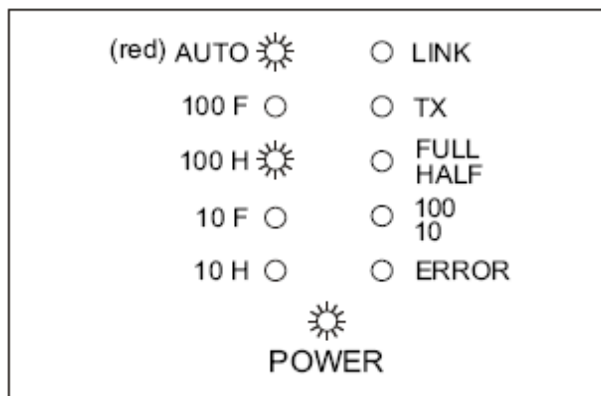


4. The tested device is a 10 BASE-T, half-duplex device, linked at 10Mbps in half-duplex mode and is communicating bad packets.

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5. The tested device is a 100 BASE-T4 device capable of auto-negotiation.



NOTE: Hobbes LANID™ does not Link with 100BASE-T4 but it can advertise in the Auto-Negotiation 100BASE-T4 operation

6. The tested device is a 10/100 BASE-TX capable of auto-negotiation, but is configured at 10Mbps.

