

## UNIFI Laboratory Network Device

### INTRODUCTION

Waters Laboratory Network Device (LND) is a purpose-built appliance designed for network installations of UNIFI™ Scientific Information System to perform instrument control, data acquisition, and data buffering activities — all while providing enhanced raw data security, robust remote access to instrument systems, and enhanced system performance.

- **Built for business:** Designed with high reliability in mind — with no moving parts. Count on 24/7/365 dependability and lower service costs
- **Rugged and durable:** Runs at a minimum operating temp range of 0–50 degrees Celsius and designed to MIL-STD-810G
- **Warranty:** LND comes with a four-year hardware repair/replacement warranty
- **Operating system(s):** Pre-installed with your choice of Microsoft Windows 10 Enterprise LTSB (Long Term Service Branch) build 1607
- **Less energy, more power:** Multi-core processors based on the Intel® Atom increase performance without sacrificing energy
- **Embedded I/O:** Supports Ethernet Control

### CONFIGURATION

**LND v3 with Microsoft® Windows® 10 Enterprise LTSB (64-bit) build 1607**

Part number: 176004149      UNIFI LND Win 10



The UNIFI LND is designed as an extremely reliable and ruggedized appliance to support your data acquisition requirements.

## SUPPORTED SYSTEMS

The UNIFI LND delivers flexibility in deploying various Waters and third-party instruments, as UNIFI supports UPLC,<sup>™</sup> GC, and MS instruments.

### UNIFI LND supports a **maximum of two systems**

Quadrupole based — one system maximum

Time-of-Flight based — one system maximum

Optical based — two systems maximum

The UNIFI LND comes standard with a dedicated interface for Ethernet instrument control.

## STORAGE SUPPORT

The UNIFI LND comes equipped with solid-state drive technology.

## OPERATING SYSTEM DETAILS

- Microsoft Windows 10 Enterprise LTSB build 1607 version is designed for stability, preventing devices from receiving feature updates while providing only quality updates to ensure device security stays up to date.
- Maintains application compatibility found with traditional operating systems.
- Extended product availability from Microsoft.

## HARDWARE SPECIFICATIONS

- **Processor:** Intel CPU Atom E3845 1.91 GHz, 2M Cache
- **Operating system:** Microsoft Windows 10 Enterprise LTSB build 1607
- **Memory:** 8GB (1x8G) 1600 MHz DDR3L

- **Hard drive:** 512GB APACER SSD
- **Size:** Height: 6.5" (161 mm) x Width: 9.5" (240 mm) x Depth: 2.5" (60 mm)
- **Target weight:** 6.2lbs. (2.8 kg)
- **Environmental:** IP30 Rating
- **Operating temperature:** 0 °C to 50 °C
- **USB ports:** 1 USB 3.0 and 2 USB 2.0
- **Form factor:** Fanless design optimized for minimal bench space mounting
- **I/O expansion slots:** 2 Dual Independent Gigabit Ethernet (RJ-45), 1 RS-232/422 via multi-function port
- **Software:** Custom Waters Win 10 image
- **Power:** Nominal input 24V DC (12-26V)

## WARRANTY DETAIL

Your warranty details the coverage and protection for your Waters LND. In the event of a failure during the warranty period, please contact Waters to troubleshoot and to arrange a repair or replacement.

### The warranty does not include:

- Software, including the operating systems and software added through our integration system, or the reloading of software
- Installation services
- Qualification services
- Onsite services

# Waters

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