

Advancing Cancer Diagnostics  
Improving Lives



# BOND-ADVANCE NETWORK

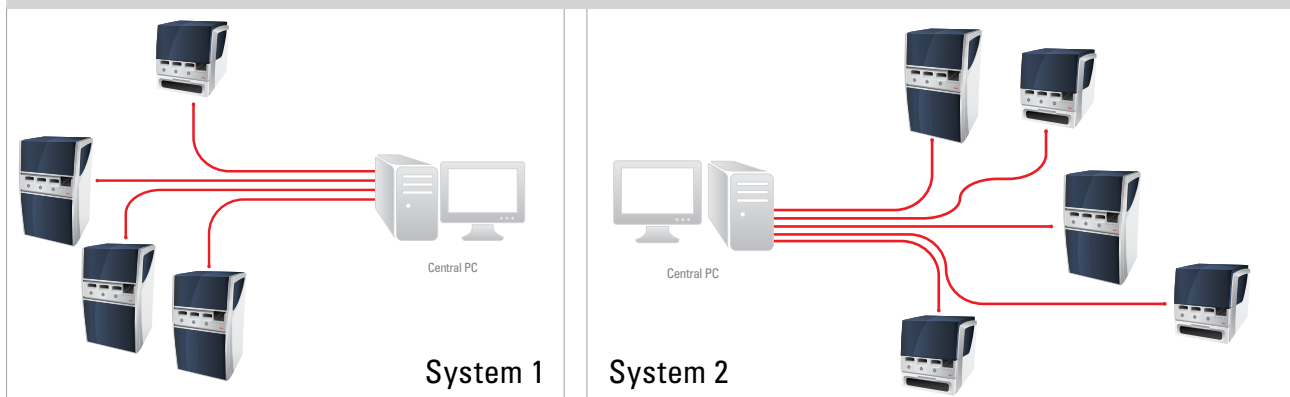
Expanding IHC/ISH with New Server Technology

# BOND-ADVANCE Network

A server-based BOND network that grows with your laboratory.

The BOND-ADVANCE network removes traditional IHC/ISH limits. With a powerful central network server, BOND-ADVANCE lets you deploy up to 30 BOND instruments on a single unified network. With enhanced data security, visual management dashboards and the freedom to configure work cells to match your laboratory workflow, BOND-ADVANCE helps you efficiently manage any workload.

## Traditional BOND Network – a limited number of instruments on each system



## BOND-ADVANCE Network – a single system for even the largest laboratory



## » Data Security

The highly resilient ADVANCE system features enterprise-level Redundant Array of Independent Drives (RAID) technology, built-in redundancy and automatic data duplication to safeguard laboratory and patient data.

## » Data Management

Easily manage the largest case loads. All the computing power you need for smooth operation plus the ADVANCE DASHBOARD that allows you to manage your entire IHC/ISH workload at a glance.

## » Flexible Laboratory Layout

Now you have the freedom to configure your IHC/ISH network to match your laboratory layout manage today's workload, and be prepared for tomorrow's. Connect all your BOND instruments on a unified system, and control them from the most convenient locations.



Keep working: Fault tolerant architecture includes mirrored drives and dual power supplies

BOND-ADVANCE DASHBOARD: See the real-time status of each instrument on your network

Share reagents among all instruments to reduce stock levels



## SYSTEM SPECIFICATIONS

Central controller for all BOND data including case, slide, protocol, reagent and inventory data

BOND Application is an asynchronous web-based application that is responsive under load

Enterprise grade hardware and operating system to support reliability and availability

BOND Client PCs can be configured and positioned as required next to relevant instruments to create efficient work cells

LIS Integration data sent once to central BOND Controller

## TECHNOLOGY STACK

- › Windows Server 2008 R2 64bit SP1
- › Windows 7 Clients
- › .Net 4.0
- › PostgreSQL Database

## CONTROLLER DETAILS

- › Intel® Xeon® Processor E5-2630 2.30GHz, 15M Cache, 7.2GT/s QPI, Turbo, 6C, 95W
- › 1333 MHz RDIMMs
- › 16GB RDIMM, 1333 MHz, Low Volt, Single Rank, x4 Bandwidth
- › PERC H710p Integrated RAID Controller, 1GB NV Cache, Full Height

## HIGH AVAILABILITY

- › Redundant hardware on BOND Servers
- › Redundant BOND Server for fast manual fail-over
- › Fault tolerant client applications

## HARDWARE REDUNDANCY

- › Hard Drives
  - Hard Drives configured to RAID 1 (mirrored copy)
  - Application and Data installed to separate physical disks
  - Hard Drives are hot pluggable
  - LED Status display on server indicates failure
- › Power Supply
  - Dual Power Supplies
  - Hot Pluggable for easy replacement
  - LED Status display on server indicates failure
- › Network Interfaces
  - Dual NICs for all connections

## LEICA BIOSYSTEMS

Leica Biosystems is a global leader in workflow solutions and automation, striving to advance cancer diagnostics to improve patients' lives. Leica Biosystems provides anatomic pathology laboratories and researchers a comprehensive product range for each step in the pathology process, from sample preparation and staining to imaging and reporting. Leica Biosystems' easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries and is headquartered in Nussloch, Germany.

Leica Biosystems – an international company with a strong network of worldwide customer services.

For detailed contact information on your nearest sales office or distributor please visit our website: [LeicaBiosystems.com](http://LeicaBiosystems.com)

Powerful Intel® Xeon® processor

ADVANCE enterprise-level server

