

ADVANCED STAINING INSTRUMENTS

BOND-ADVANCE NETWORK

EXPANDING AUTOMATED IHC/ISH STAINING WITH SERVER TECHNOLOGY



Advancing Cancer Diagnostics
Improving Lives

Leica
BIO SYSTEMS

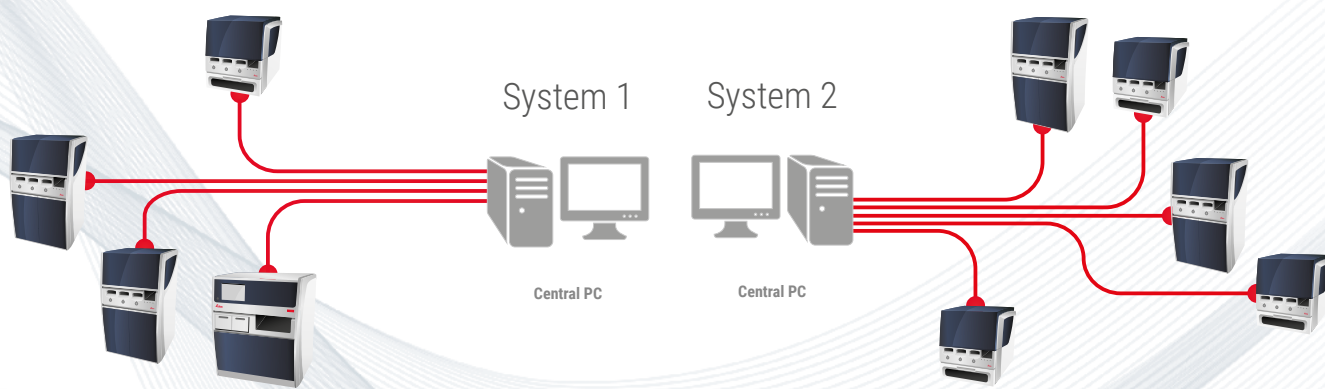
BOND-ADVANCE NETWORK

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 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.



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.



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 and protocols 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
- Laboratory Information System (LIS) Integration data sent once to central BOND Controller

TECHNOLOGY STACK

- Windows Server 2016
- Windows 10 IoT Enterprise Clients
- Microsoft .NET Framework 4.6
- PostgreSQL Database

CONTROLLER DETAILS

- Intel® Xeon® Silver 4114 2.2G, 10C/20T, 9.6GT/s 2UPI, 14M Cache, Turbo, HT (85W) DDR4-2400
- 32GB RDIMM, 2666MT/s

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 indicators on server for drive status and error notifications
- Power Supply
 - » Dual Power Supplies
 - » Hot Pluggable for easy replacement
 - » LED Status indicators on server for system status and error notifications including thermal and electrical errors
- Network Interfaces
 - » Dual Network Interface Cards (NICs) for all connections

Leica Biosystems is a global leader in workflow solutions and automation. As the only company to own the workflow from biopsy to diagnosis, we are uniquely positioned to break down the barriers between each of these steps. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries. It has manufacturing facilities in 9 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany. Visit [LeicaBiosystems.com](https://www.leicabiosystems.com) for more information.

Leica Biosystems is 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](https://www.leicabiosystems.com)

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