

OptiRun™ Service solutions

Xcellerex™ XDR 50L to 2000L software/server upgrade




Is your Xcellerex™ system running
on yesterday's bits and bytes?



You regularly upgrade your laptop. Now you can bring your XDR's software and server up to today's standards to extend its LifeCycle.

Consider how much is riding on your XDR system. When it's dependent on aging hardware or an unsupported operating system, you're unable to run our latest software. Even more troubling, your system is at risk: a failure could cause weeks, or months, of unplanned downtime. Take timely action now.

Schedule your Xcellerex™ 50L to 2000L bioreactor system upgrade to keep your equipment in prime condition with enhanced functionality.

-  **Extended lifecycle**
-  **Service traceability**
-  **Maximized productivity**

Key benefits of upgrading now



Reduced risk
of downtime



Increased cost
efficiency



Controlled
upgrade process



Increased
performance
reliability



Supported compliant
technology

Depending on the software version of your current system (see table below), the new software may give additional functionality. For example, if your current XDR has software version V4.0, then the upgrade gives you new functionality and bug fixes introduced from V5.0 to 7.2.0. For example, V5.0 introduced Recipe Management and Alarms and Events Excel report. V6.0 introduced setpoint tables to Recipe Management and a multi-vessel overview screen.

V3.1 Nov 2017	V4.0 Sep 2018	V5.0 Mar 2019	V6.0 Q4 2019	V7.1.1 Oct 2020	V7.2.0 Jul 2022
1. Dual-panel • Electrical safety • Gas and electrical panel separation	1. Upgraded to Wonderware™ 2014 R2 2. Upgraded to Windows™ server 2012 R2 and Windows™ 10 IOT 3. User Security harmonization 4. 21 CFR part 11 review 5. Privacy and security enhancements (DEPS) 6. 10L software release	1. Recipe Management 2. System interlocks-known state 3. Bug fixes 4. XDR-200 Dual purpose 5. Added Excel report 6. Added alarm and event Excel report 7. PLC firmware update to 30.14 8. 21 CFR part 11 audit and formal paperwork 9. USB/ethernet lock addition	1. Revised dual purpose 2. Configurable AUX 1, AUX 2 fields 3. Recipe Management addition of setpoint tables 4. Added SQL reporting services 5. Embedded recipe manager in HMI 6. Added OUR functionality back 7. Ensured VCD is compatible 8. Multi-vessel overview screen added 9. MC4 high flow option (2000L only) 10. 3 KG and 30 KG scale support	1. Bug fixes 2. Upgraded to Windows™ server 2019 3. Updated to SQL™ server 2019 4. Updated to AVEVA™ 2020 5. Updated to Recipe Management 2020 6. OPC config updates 7. Reporting Excel upgrade to support new alarm and event hystorizing 8. SQL rename script updates 9. Bug fixes	1. Upgraded to Windows™ server 2019 2. Upaded to Excel 2019 3. Updated to SQL™ server 2019 4. Updated to AVEVA™ 2020 5. Updated to Recipe Management 2020 6. OPC config updates 7. Reporting Excel upgrade to support new alarm and event hystorizing 8. SQL rename script updates 9. Bug fixes

AUX = Auxillary Input
CFR = Code of Federal Regulations
DEPS = Design Engineering
Privacy and Security
HMI = Human Machine Interface

ISB = Universal Serial Bus
MFC4 and MFC = Mass Flow Controller
OUR = Oxygen Uptake Rate
OPS = Open Platfrom Communications

PLC = Programmable Logic Controller
USD = Universal Serial Bus
VCD = Viable Cell Density
SQL = Structured Query Language

The upgrade kit includes the following

- All necessary software and licenses (including AVEVA™ Recipe management 2020, SQL server 2019, and Windows™ server 2019)
- Documentation (electronic format): Operating manual, Recipe manual, Security manual, updated general specification page to add to existing turn over package
- Secure Digital (SD) cards for PLC
- Other items required for installation (e.g., cables)

Additionally, the new software replaces the out-of-date Windows™ Server 2012 (which goes out of Microsoft support on Oct. 10, 2023) with Windows™ server 2019. Other updated software include: AVEVA™ (Wonderware™) 2020, SQL Server™ 2019 and update to Recipe Management 2020.

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The new server is warranted for three years.

If your system is in cGMP environment, a Change Control Protocol (CCP) is carried out after the upgrade work is completed, ensuring the system is left in a validated state.

Note: Once the X-station is updated to latest software, the old data cannot be viewed within the new software. Old data can be exported to Excel or viewed within the old software since old server will be left with you. Only standalone standard XDR systems can be upgraded using this kit. For Custom XDR system upgrade options, please contact Cytiva.

Ask your Cytiva representative for more information.
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Upgrade your system to extend the life of your Xcellerex™ system

