ELEVATE

the quality and effectiveness of patient care.

HP Converged Medical Infrastructure, together with Agfa HealthCare

Conquering the data explosion in medical images and patient records

Solution brief

Integrated imaging solutions for today and tomorrow

Today's healthcare organizations face a growing list of challenges. They struggle to maintain patient care, while also ensuring the right patient information is available at the point of care. And as the volume of patient information continues to explode, they need intelligent healthcare imaging solutions that streamline management and help control healthcare delivery costs. Adding to the list are keeping information systems available at all times, meeting compliance regulations, ensuring patient privacy and improving data security.

Today, you can resolve these explosive data growth problems with two powerful imaging solutions from Agfa HealthCare—IMPAX and IMPAX Data Center. Designed to extend image and information management strategies beyond radiology to departments company-wide, Agfa HealthCare imaging solutions work in concert with your infrastructure devices to create a fully integrated solution that:

- Supports your ongoing commitment for improving patient care
- Ensures regulatory compliance and security of records
- Provides mission critical high availability and improves disaster recovery
- Maximizes flexibility so you can adapt as business needs change
- Increases staff efficiency with faster access to medical images and patient records
- Drives down costs

But an IT solution is comprised of more than just software. To complete the solution, you must also choose an infrastructure. Considering that Agfa HealthCare trusts high-performance HP servers and massively scalable HP storage solutions to support its IMPAX and IMPAX Data Center software, choosing HP is easy.

HP and Agfa – committed to your success

For many years, HP and Agfa HealthCare have worked together to design and deliver advanced healthcare solutions to organizations like yours. Our highly complementary technologies and strategies work together to deliver comprehensive, cost-effective solutions for healthcare providers.

In partnership through a global original equipment manufacturer (OEM) contract, HP and Agfa Healthcare ensure our joint solutions are certified on HP platforms, including HP EVA and XP Storage Systems, HP X9000 Network Storage Systems and HP ProLiant servers. You can trust that your pre-tested HP and Agfa solution will work as promised, as designed, right out of the box.

Through the experience gained during successful implementations at hospitals and healthcare organizations around the world, HP and Agfa HealthCare provide all-in-one solutions—integrated software running on integrated infrastructure—available in configurations to meet the needs of healthcare organizations of any size. Built on modular HP Converged Medical Infrastructure components, you can start wherever you are today and seamlessly grow as your needs change. We designed HP and Agfa IMPAX solutions to:

- Support clinical needs for every user profile—radiologist, physician, PACS administrator, clinician, IT manager
- Form the foundation of your hospital's core imaging and IT strategy

AGFA *Agfa*
HealthCare

- Reduce the high cost of equipment and ongoing operating expenses, using energy-efficient, highly reliable and readily scalable HP servers and storage
- Streamline system management; using HP Insight Control management software, you can manage all systems from a single pane of glass
- Shorten deployment cycles using a pre-tested, certified architecture

HP and Agfa workflow

An industry-leader with more than 30 year's experience delivering innovative healthcare imaging systems, Agfa HealthCare depends on highly reliable HP Infrastructure to ensure patient data within Agfa IMPAX is available at the point of care. Flexible HP Converged Infrastructure enables you to improve patient outcomes while driving down both risk and cost.

HP Converged Medical Infrastructure – Taking the HP Converged Infrastructure strategy and architecture to the next level, HP has applied years of information generated by our healthcare expertise and success to design the HP Converged Medical Infrastructure. The HP Converged Medical Infrastructure enables you to "own" your data, while providing exceptional choice, control and flexibility. Delivering the data center of the future today, while helping you overcome IT sprawl using innovations that deliver new levels of simplicity, integration and automation. Uniting servers, storage, networking, applications, power and cooling on one highly efficient platform that can handle any workload, anywhere, anytime.

HP ProLiant servers – Offering scalability and innovation, these industry-standard servers deliver confidence and reliability for healthcare IT, and they are available in multiple form factors. As the industry's best-selling server, HP ProLiant servers feature Thermal Logic technology, and they are certified by ENERGY STAR® to offer excellent energy efficiency—making these servers an excellent choice for healthcare IT. You can also use HP BladeSystem server blades to simplify your IT infrastructure; mix and match server, storage and networking blades all in one compact enclosure.

HP Storage Systems – For your Agfa HealthCare IMPAX or IMPAX Data Center implementation, you can choose from a variety of disk arrays or network-attached storage (NAS) systems to protect your growing patient imaging data at an affordable cost.

HP EVA Storage Systems – Helping tune your storage to the unique needs of your Agfa IMPAX or IMPAX Data Center environment. HP EVA Storage Systems provide designed-in virtualization to support your Agfa applications, as well as your bulk storage needs. Using a tiered storage approach, HP EVA Storage Systems automatically improve performance by placing data across dozens of disks. In addition, HP EVA Storage Systems tightly integrate replication when using mission-critical software applications. You can streamline management using HP Command View Software—which means you'll spend less time on maintenance and administrative tasks. And with HP EVA Storage Systems high-capacity utilization, you can consolidate your storage ecosystem in a smaller footprint, so you'll spend less for power, floor space, licensing and management.

HP X9000 Network Storage Systems – Available in three scalable packages—HP X9320 high-performance systems, HP X9720 high-capacity systems and HP X9300 gateway—HP X9000 Network Storage Systems are:

- **Simple:** Eliminate hassle with pre-tested PACS solutions
- **Efficient:** Optimize short-term image cache versus long-term archive with automatic data movement
- **Adaptable:** Start small and grow very large with no downtime

HP XP Storage Systems – Designed to handle demanding healthcare applications, HP XP Storage Systems are a smart choice for Agfa HealthCare IMPAX or IMPAX Data Center, providing outstanding reliability, availability, performance and capacity.

HP Networking – A critical element of any health management solution, HP networking devices enable staff to move from office to office, building to building, and always have access to patient information.

HP Z Workstations – Engineered to optimize the way the processor, memory, graphics, operating system and software components work together, HP Z workstations deliver the computational power that helps healthcare professionals accomplish more with every moment of their time.

HP Printers – Simple and easy to use, HP printers and multifunction printers are the right choice for today's healthcare organizations. Depending on your needs, you can choose from color laser printers, black-and-white laser printers, inkjet all-in-one printers, laser multifunction printers, color inkjet printers, mobile printers and photo printers.

HP Services – The most comprehensive expertise to align applications, infrastructure and facilities to your business goals. Offering expertise across every aspect of IT helps you modernize applications and infrastructure to reduce complexity, align business and IT processes, and maximize efficiency.
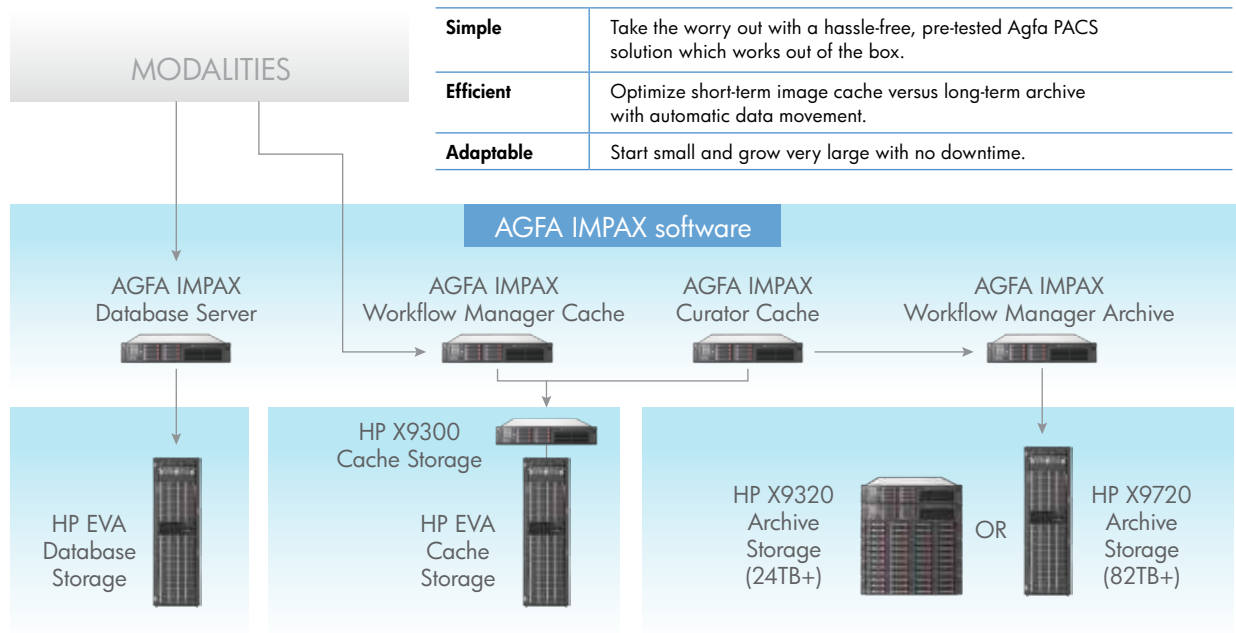
Reduce your risk with advanced HP technology

Compatibility	Across Agfa HealthCare IMPAX software applications, including IMPAX Data Center, IMPAX RIS, IMPAX Reporting and many more
Data tiering	Use the right storage solution at each stage of the information lifecycle
Scalability	Maximum performance and capacity
Data mobility	Easily move data from one platform to another
Data protection, archiving	Redundant, reliable backup methods; secure, long-term storage
Solution support	Through HP services professionals; when you need us, we're here

Configuration

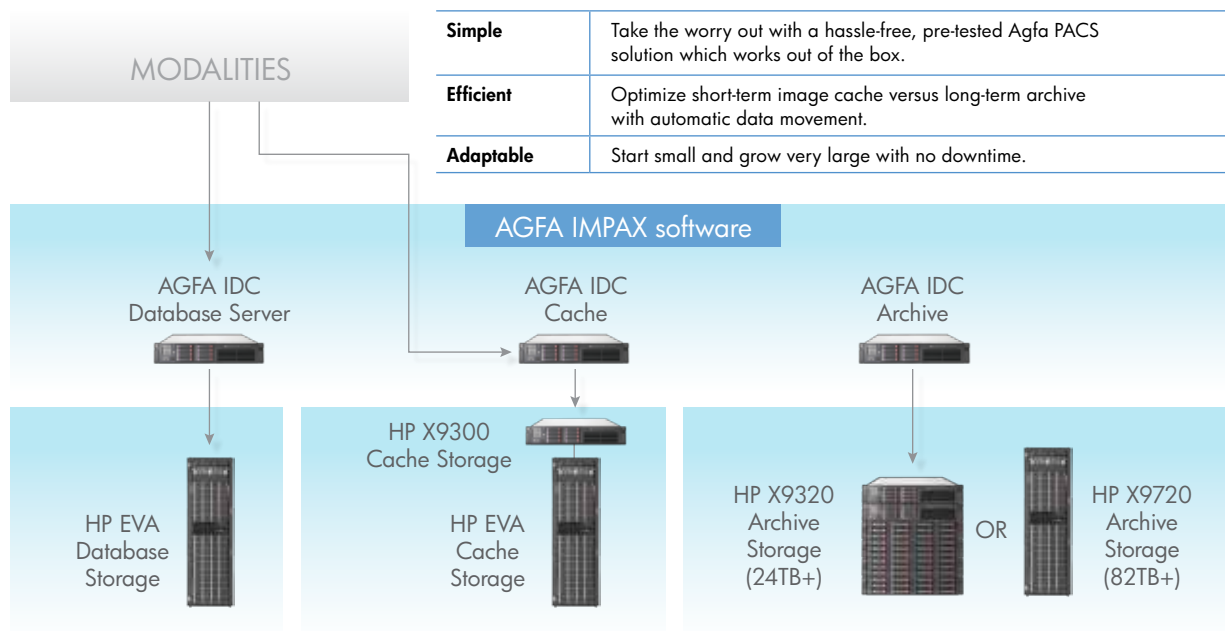The following configurations are examples only.

Extreme Data Solution for Healthcare

Agfa IMPAX with HP Converged Medical Infrastructure

Simple	Take the worry out with a hassle-free, pre-tested Agfa PACS solution which works out of the box.
Efficient	Optimize short-term image cache versus long-term archive with automatic data movement.
Adaptable	Start small and grow very large with no downtime.

MODALITIES

AGFA IMPAX software

AGFA IMPAX
Database Server

AGFA IMPAX
Workflow Manager Cache

AGFA IMPAX
Curator Cache

AGFA IMPAX
Workflow Manager Archive

HP X9300
Cache Storage

HP EVA
Database
Storage

HP EVA
Cache
Storage

HP X9320
Archive
Storage
(24TB+)

OR

HP X9720
Archive
Storage
(82TB+)

Extreme Data Solution for Healthcare

Agfa IMPAX Data Center with HP Converged Medical Infrastructure

MODALITIES

Simple	Take the worry out with a hassle-free, pre-tested Agfa PACS solution which works out of the box.
Efficient	Optimize short-term image cache versus long-term archive with automatic data movement.
Adaptable	Start small and grow very large with no downtime.

AGFA IMPAX software

AGFA IDC
Database Server

AGFA IDC
Cache

AGFA IDC
Archive

HP X9300
Cache Storage

HP EVA
Database
Storage

HP EVA
Cache
Storage

HP X9320
Archive
Storage
(24TB+)

OR

HP X9720
Archive
Storage
(82TB+)

Did you know? A complete Agfa HealthCare IMPAX software solution running on industry-standard HP Converged Infrastructure components costs 50% less than legacy healthcare management systems running on dedicated systems with siloed resources?

Service options

HP provides a comprehensive array of solutions across services, software, servers, storage and networking. In addition, HP's services expertise can bring all your solutions together and deliver them any way you want.

Integrated support
- Service management services
- Security, compliance and continuity services

You can also choose from the following storage services.

Storage infrastructure optimization services
- Storage consolidation
- Data protection and replication
- Storage and data migration
- Storage management

Storage technology services
- Storage support
- Storage installation and implementation
- Scalable event, technical and solution services

Server services
- Storage services
- Support services

Related services
- Data Center transformation
- HP CarePack services for storage
- Mission-critical services
- Virtualization support

Resources

www.hp.com/storage
www.agfahealthcare.com

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Get the insider view on tech trends, alerts, and HP solutions for better business outcomes

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