Company Profile

Infortrend

Since its founding in 1993, Infortrend has been delivering storage technology innovation and performance to customers worldwide with acclaimed quality and flexibility combined with superior value. Based in New Taipei City and trading as Public TPE: 2495, Infortrend stands as one of the few fully integrated technology firms in the world completely dedicated to storage as well as related software and services. Infortrend technology has become a staple in a variety of industries and sectors, including media and broadcast, research, online gaming, and content hosting.

We research, design, and manufacture our products in-house with complete control over the entire process, leveraging leading expertise in engineering, industrial design, and production. As a result, Infortrend storage solutions offer superior long term reliability and peace of mind for businesses, enterprises, and organizations of all sizes, which require uninterrupted access to vital data.

Infortrend places an emphasis on bringing customers choice and flexibility, with a product range that meets diverse needs – from those of small businesses to the largest-scale big data applications and ever increasing demands for cloud computing infrastructures. Attention to detail and customer care translate into products that are carefully balanced and optimized to offer the finest performance, dependability, and ease of access. This approach extends to user interfaces and software applications, which are also designed by Infortrend professionals.

Our product portfolio continues to expand and bring new innovations to the global storage industry at competitive prices. Importantly, Infortrend remains an entirely storage-focused enterprise with highly open and personal relationships with customers, distributors, and technology partners. We operate with a very hands-on approach, and as storage is our passion and sole purpose, we are able to respond to evolving needs quickly and flexibly.

Mission Statement

Infortrend is a dedicated storage designer and provider, and our purpose is to deliver you the finest hardware and services. Our flexibility and professionalism, drawing on over two decades of focus on storage technology, mean we create the tools our customers require and offer innovation and performance that empower you and enable new ways of improving your productivity, whether as an SMB or a large enterprise.

We are a compact team, and maintain direct discourse with customers. We put your needs first, leading to acclaimed quality and compatibility. We design products for enduring real world service, with each offering long term dependability you can rely on, free from worries to better center on the applications that matter. Infortrend constantly develops new features to make enterprise-class storage more accessible. For example, we are pioneering storage tiering event messages on EonStor DS 3000, making a previously very technical capability effortless to the widest customer base possible.

In 2015, we are advancing storage further, bringing you an unmatched combination of performance, quality, and value with new products such as the advanced entry-level EonStor DS 2000 series. Please feel free to get in touch with us – Infortrend is your storage specialist, and we are here when you need us.

Established: **1993**
Publicly Listed: **2002 (Taiwan Stock Exchange)**
Headquarters: **Taipei, Taiwan**
Capital (2014): **US$ 90 Millions**
Worldwide Employees : **600**
Manufacturing Base: **Taiwan**
Worldwide Services:
Branch offices in USA, UK, China and Japan

Infortrend Technology

Milestones, Awards, and Achievements

2015

2014
- Released turbo model series of EonStor DS 3000 systems
- EonStor DS 1000/2000 series with affordable price and enterprise features, featuring modular hardware design
- Infortrend EonStor DS 3024RTB scores a 5-star review, as recommended by leading UK tech site IT Pro
- Announced EonNAS 1000/3000 Gen2 unified storage with EonRescue USB system restore functionality

2013
- Introduced the high availability EonNAS 3000 series with active-active redundant controllers
- Launched future-proof EonStor DS 3000 systems, featuring modular hardware design

2012
- Infortrend listed in Everything Channel's CRN Data Center 100 for the second year running
- Infortrend launches two new product lines: EonNAS Pro and EonNAS 1000 Series
- Benchmark Reviews awards their Golden Tachometer Award to Infortrend EonNAS 1100
- Infortrend signs a distribution agreement with Russia's Merlion
- Infortrend EonStor DS Family now available in high-density 48-bay solutions

2011
- Infortrend introduces automated storage tiering technology on the mid-range ESVA solution
- Infortrend launches ESVA Cluster File System for media/ entertainment and HPC applications
- Infortrend listed in Everything Channel's CRN Data Center 100, a select group of technology vendors powering datacenters

2010
- Infortrend introduces the EonNAS family, an advanced unified storage solution
- Infortrend introduces the EonStor DS family
- Network Products Guide names the ESVA F60 Fibre Channel storage solution a winner of the 2010 Best Products and Services Award
- Infortrend CTO, Michael Schnapp, selected by Everything Channel's CRN as one of the publication's Storage Superstars of 2010

2009
- Infortrend introduces ESVA (Enterprise Scalable Virtualized Architecture), a revolutionary SAN storage architecture
- ESVA wins Best Choice award during Computex Taipei

2008 – 2003
- Infortrend announces EonStor product line, Infortrend's first branded product family
- Infortrend introduces SANWatch storage management software
- EonStor B12F series wins Best Choice award during Computex Taipei 2008
- Ranked #7 in Worldwide External Disk Storage System Shipments by IDC

Award-Winning Products and Solutions

Infortrend has a diverse range of storage products on offer, meeting the requirements of SMB, enterprise, and organizational customers. We have established a proud tradition of pioneering new technologies and approaches to storage, such as delivering the first-ever external RAID systems with 2.5" drive support and introducing 16G (16GBaud) Fibre Channel host interfaces, another worldwide first. These achievements and others have helped Infortrend become recognized as a global leader. We are storage specialists, with an entirely focused technology range – storage constitutes everything Infortrend does, conception to production.

Currently, our main product families are led by the ESVA lineup, or Enterprise Scalable Virtualized Architecture. These large RAID systems offer the highest degrees of scalability and performance for enterprises, optimized for SAN/IP SAN use. The EonStor DS family brings RAID systems with full data service suites to SMB and enterprise customers, accompanied by the streamlined and very cost effective EonStor family of products. All EonStor DS and EonStor storage systems are ideal for SAN and DAS implementation. For networked storage, our EonNAS family delivers enterprise-class rackmount storage solutions for SMBs and enterprises. As flexible on-demand storage expansion is of great importance to customers, we have developed an extensive range of expansion enclosures, marketed as the JB family of products.

All Infortrend technologies meet exacting performance, high availability, ease of deployment, and scalability standards. Customers can choose from diverse form factors, and expand storage as needed. Coupled with proprietary user friendly interfaces, Infortrend products allow for quick and simplified storage deployment, and have garnered multiple accolades over the years.

Infortrend provides Fibre Channel, iSCSI, SAS, SATA, and SCSI connectivity support, including the fastest iterations available for each standard. Implementation of even higher speeds and more efficient technologies will continue, and Infortrend will always be at the forefront of providing customers better performance and enhanced return on investment. Customers tap storage that is highly secure, with self-encrypting drive (SED) compatibility, as well as very future-proof and ready for SSD. In late 2014, we introduced SSD Cache technology to boost read performance, and will continue innovating in this area.

Our in-house compatibility assurance expertise means products are fully tested and certified with all major operating systems and virtualization platforms. These include Windows Server 2012, Solaris, Linux, IBM AIX, HP-UX, VMware, Citrix, Microsoft Hyper-V, and others. Infortrend systems consistently gain accreditation by major industry certification initiatives such as Microsoft ESRP (Exchange Solutions Reviewed Program).

Infortrend maintains a presence in several world markets through our network of regional offices. Infortrend currently has offices in the US, China, Japan and the UK. Our corporate headquarters are located in New Taipei City, Taiwan.

Beyond guaranteed product quality, Infortrend offers customers sophisticated after-sales support. Our storage professionals and partners are always available, whether for warranty service or technical assistance. Installation and deployment help for customers is also offered, with all support services highly prompt and responsive. As Infortrend is a relatively compact enterprise and completely devoted to storage, obtaining support is simple but very effective in every case, from daily operations to crucial data-saving assistance.

Infortrend has close working relationships with all of our local partners. This leads to quality customer support and services wherever our products are sold. Together with outstanding product quality, extended Infortrend support culminates in excellent storage system longevity and low total cost of ownership for buyers. We never compromise on quality or service, and will continue to improve and bolster these even further in future. We are always available and reachable, making it easy for customers to get in touch with us directly. We are working on new and exciting venues for support and interaction, and have launched online facilities such as Live Help chat.

Worldwide Service and Support

Across the entire Infortrend product range, we are committed to minimizing and outright preventing negative environmental impact. Concordantly, we make certain customers always have access to uncompromising performance and technology that is beneficial, safe, and cost effective.

To achieve these goals, we implement energy saving features such as low-demand 80 PLUS power supplies and intelligent disk drive spin down to eliminate unnecessary system activity. Power regulation and delivery components on Infortrend systems utilize reliable and energy-conserving designs and materials, a fact helped by the complete control we maintain over our in-house processes. We also carefully select the materials used in products and shipping materials in order to avoid hazardous elements that could possibly harm the environment.

Infortrend complies with all pertinent international environmental regulations and treaties, and whenever possible adheres to even stricter guidelines than those stipulated by industry standards and relevant laws. Examples of compliance include the Restriction of Hazardous Substances (RoHS) and Waste Electrical and Electronic Equipment (WEEE).

We carefully examine the sources of materials used in our products to verify their ethical and environmental credentials, and constantly devote much effort to developing more environmentally friendly products that are as sustainable as they are leading edge in terms of technological prowess.

Environmental Responsibility

Infortrend works closely with industry leaders to deliver integrated storage solution. Thanks to extensive compatibility testing, certification, and collaborative product design, Infortrend can assure that our systems are fully interoperable with partner solutions.

EMULEX® *We network storage* — **HGST** *a Western Digital company* — **(intel)** — **Seagate** — **TOSHIBA** *Leading Innovation*

Alliance partners

Strategic alliance partners

Emulex

Emulex is a leader in network connectivity, monitoring, and management. The company's offerings include ultra high performance Ethernet and Fibre Channel-based connectivity products.

HGST

HGST produces reliable HDDs and SSDs and optimizes storage efficiency and reliability. Founded by the creators of the hard drive, HGST serves a broad range of market segments.

Intel

Infortrend works extensively with Intel, covering systems, applications, protocols, and devices. Storage is the foundation of information technology, and Infortrend has been chosen as an official Intel partner.

Seagate

Seagate manufactures and markets hard drives for a wide range of enterprise, desktop, mobile computing, and consumer electronics applications. Seagate emphasizes providing award-winning products, customer support, and reliability.

Toshiba

Toshiba offers global storage solutions, delivering hard drives, solid state drives, and NAND flash memory. Toshiba develops, designs, and manufactures mobile, consumer, and enterprise products, with high quality engineering and manufacturing.

ATTO

ATTO is a global leader in storage, network connectivity, and infrastructure for data-intensive environments. It provides solutions to help better store, manage, and deliver data, with a high level of connectivity to all storage interfaces.

Citrix

Infortrend is a Citrix Ready partner. Select ESVA, EonStor DS, and EonNAS models have been Citrix XenServer-verified in order to optimize the performance of virtualized data centers.

CommVault

Infortrend EonStor DS storage systems offer officially-certified compatibility with CommVault Simpana to meet data protection requirements.

Microsoft

As a Microsoft Gold Partner, Infortrend provides optimized storage for Microsoft environments. Infortrend products are Microsoft WHQL-certified and listed on the official Windows support website.

Milestone

Infortrend is a Milestone Solution Partner (MSP). ESVA and EonStor DS systems are compatible with Milestone software so customers can effortlessly use them in video surveillance.

Oracle

An Oracle Partner Network member, Infortrend leverages joint leadership in enterprise-class solutions, database, and applications to help customers manage databases, and other applications.

Symantec

Infortrend and Symantec leverage respective strengths to cooperate in areas such as storage management and data backup.

Veeam

Infortrend ESVA and EonStor DS storage systems are compatible with Veeam Backup and Replication software. Together Infortrend and Veeam improve services with fast recovery for VMware and Hyper-V environments.

VMware

Infortrend is a VMware Technology Alliance Partner (TAP). All Infortrend iSCSI and Fibre Channel host storage products are VMware-certified to ensure our customers benefit from high storage utilization and simplified infrastructure.

Technology alliance partners

Infortrend Technology

Diverse rackmount RAID systems for businesses and enterprises that cover the entry-level to mid-range product segments. Each one delivers superior performance, reliability, and data service capabilities. Systems offered in various sizes, from small form factor arrays exclusively for 2.5" drives to large form factor and high density 60-bay 4U chassis. Thanks to modular hardware and proprietary user friendly interfaces, EonStor DS systems are easy to deploy and bring an immediate upgrade to IT environments.

Their powerful performance and hybrid host interface options make them perfect for any application, including mail server, backup, surveillance, media editing, and more.

EonStor DS models were the first in the storage industry to ship with 16Gb/s Fibre Channel and support new interconnects such as 12Gb/s SAS in flexible hybrid interface configurations. This versatility allows EonStor DS storage to work in SAN, IP SAN, and traditional DAS roles. Customers can choose from single or dual high availability controllers and all models ship with redundant 80 PLUS power supplies. The scalable EonStor DS family provides unparalleled price-performance excellence, ensuring more users access advanced storage. The latest addition is the EonStor DS 4000 series, with 12Gb/s SAS on host and drive sides literally doubling 6Gb/s SAS throughput. Innovative design gives the series dual hosts per controller for hybrid interconnects (iSCSI and Fibre Channel). It also doubles performance compared to EonStor DS 3000 systems, reaching 11,000MB/s read and 4,000MB/s write. EonStor DS 1000 and EonStor DS 2000 series redefine the meaning of entry-level, and all EonStor DS systems provide advanced data services, including 4-level automated storage tiering, SSD Cache, and secure remote replication. Products are compatible with self-encrypting drives, and provide numerous backup options with snapshot and volume copy/mirror. Features and services are easily accessible through the Infortrend-developed intuitive SANWatch interface for maximum convenience and utility.

EonStor DS family

DS 4000 series   DS 3000 series   DS 2000 series   DS 1000 series

Infortrend® EonStor DS

- Up to 1.3M IOPS greatly accelerates storage
- Massive throughput: up to 11,000MB/s read and 4,000MB/s write
- Scalable to as many as 450 drives via JBOD (12Gb/s SAS)
- SSD Cache enhances 2.5 times IOPS in OLTP workload
- 2-level or 4-level tiering to maximize drive performance and utilization
- SED compatibility increases data security
- Secure remote replication provides disaster recovery preparedness
- Intelligent Drive Recovery (IDR) smart media scan and cloning detects and fixes errors with no rebuild performance penalty

With EonNAS systems, we place flexibility and multi-role efficiency first by designing products around a unified storage architecture that offers equally outstanding performance on the file and block levels. EonNAS systems can be deployed as NAS, SAN, and even traditional DAS for maximum utility on a single platform. They range in form factor from the desktop EonNAS Pro series to rackmount EonNAS 1000 and EonNAS 3000 systems for businesses and enterprises, which were redesigned in 2014 with compact 500mm-deep chassis that saves a compact space and makes management more convenient. Systems accommodate up to 256 drives in the larger models with JBOD expansion.

Using the Solaris ZFS file and operating system, EonNAS storage guards against data corruption and supports services such as unlimited snapshot, remote replication, deduplication, and pool mirror. The EonRescue feature enables hassle-free system recovery via USB, and for IT professionals CLI (command line interface) access offers ample customization and oversight. Global Namespace allows for simple network integration and access, helping with data sharing at workplaces for increased productivity. The native GUI and the cross-system EonOne interface provide intuitive and seamless operation for general users.

Speaking of environments, rackmount EonNAS models ship with 80 PLUS redundant power supplies by default to reduce operating costs. Select models support high availability dual controllers, and customers can choose from diverse host interfaces.

EonNAS family

EonNAS Pro series

EonNAS 1000 series

EonNAS 3000 series

Infortrend® EonNAS

- Featured with active-active dual controllers to ensure high availability
- Multiple host interface support, including 16Gb/s Fibre Channel and 10Gb/s iSCSI
- Scalable up to 256 drives via JBOD expansion
- Rich data services: unlimited snapshot, local and remote replication, and more
- EonRescue USB effortless system recovery
- Development of EonOne with central management and work flow setting

Enterprise Scalable Virtualized Architecture

Enterprise Scalable Virtualized Architecture systems provide enterprises with the tools they need to deploy storage in big data environments such as data centers. These flagship RAID systems deliver powerful performance for SAN/IP SAN applications, and have become popular among cloud service providers and high performance computing users. They are available in various form factors and with Fibre Channel and iSCSI host interfaces, and as their name suggests, all are optimized for virtualization duties and extensive multi-lateral scalability. ESVA systems are currently the only Infortrend products capable of scale-out, allowing users to daisy-chain systems vertically in addition to scale-up of individual storage arrays via expansion enclosures.

ESVA family

- Fibre Channel and iSCSI host connectivity, including hybrid interfaces
- Designed for virtualization across large enterprise networks
- Flexible scalability up to 4,800 disk drives via expansion enclosures
- Thin provisioning as standard
- Automated storage tiering and data migration
- Distributed load balancing
- Scale-out technology allows multiple ESVA systems to work in tandem
- Snapshot, volume copy/mirror, and remote replication data services included
- Modular high availability hardware
- Energy-saving design meets high IOPS throughput

ESVA Cluster File System

Created for applications such as media production, archiving, and high performance computing, the ESVA Cluster File System is a comprehensive solution that offers high speed file access and sharing with assured enterprise-class reliability. The architecture features ESVA storage systems, two metadata servers, an optional LAN gateway server, and system agents.

Expand capacity with simple and flexible JBOD scalability

Infortrend produces dedicated JBOD expansion enclosures that quickly and efficiently add storage space based on your needs. Just like our storage systems, enclosures are fully designed and made in-house with the same guaranteed quality. For EonStor DS and EonNAS systems, we offer JB 2000 series enclosures. For general purpose use with servers and other systems, the JB 200 series delivers JBODs that are compatible with multiple LSI host bus adapters and RAID cards. Our expansion enclosures are available in multiple form factors and are easy to deploy. They offer high availability through modular and redundant hardware, including 80 PLUS power supplies. Select models feature dual controllers for enhanced resilience.

JB 2000 series
JB 200 series

Infortrend®

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Asia Pacific (New Taipei, Taiwan)
Infortrend Technology, Inc.

Tel: +886-2-2226-0126
E-mail : sales.ap@infortrend.com

China (Beijing, China)
Infortrend Technology, Ltd.

Tel: +86-10-6310-6168
E-mail : sales.cn@infortrend.com

Japan (Tokyo, Japan)
Infortrend Japan, Inc.

Tel: +81-3-5730-6551
E-mail : sales.jp@infortrend.com

Americas (Sunnyvale, CA. USA)
Infortrend Corporation

Tel: +1-408-988-5088
E-mail : sales.us@infortrend.com

EMEA (Basingstoke, UK)
Infortrend Europe Ltd.

Tel: +44-1256-305-220
E-mail : sales.eu@infortrend.com