secureguard
blazics micro

The reliable virtualization and storage solution for small businesses

The fail-safe all-in-one solution

The adaptable blazics micro product line provides a complete hyper-convergent infrastructure as a 2-node all-in-one solution. Specifically designed for the fail-safe virtualization of office workloads for small businesses or branch offices, development environments and IoT applications, this solution is available as all-flash or hybrid storage with a configurable combination of NVMes, SSDs and HDDs to meet the particular requirements.

Benefits of the blazics micro solution

- replaces old server and storage infrastructures
- highly reliable
- consolidates virtual services
- simple and fast scaling
- improves productivity and efficiency
- improves availability of apps/services
- Microsoft Azure Stack HCI certified
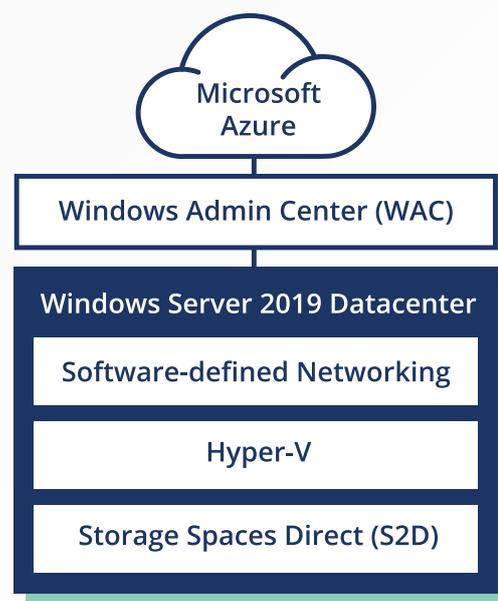
Hyperconvergent and hybrid

Based on Microsoft Windows Server 2019, the blazics micro series delivers performance and functionality previously only provided by data centers. This solution now makes software-defined storage (S2D) and software-defined network (SDN) available in small and medium-sized environments.

In addition to reducing the TCO while simultaneously increasing performance and failure safety, these systems enable entry into hybrid scenarios and also lay the groundwork to easily expand local workloads with Microsoft Azure.

The Microsoft Windows Admin Center is also included, enabling the local infrastructure to be easily and quickly expanded to include Microsoft Azure Services such as Azure Site Recovery, Azure Monitor, Azure Backup or Azure ARC.

Microsoft Azure

Windows Admin Center (WAC)

Windows Server 2019 Datacenter

Software-defined Networking

Hyper-V

Storage Spaces Direct (S2D)

blazics micro 50

Form factor:	Mini-Tower
Scaling:	2 nodes per cluster
CPU:	4 or 8 Core AMD EPYC
RAM:	up to 256GB
NIC:	2x 10GbE Storage Network
Storage capacity:	All-NVMe, NVMe+SSD, NVMe+HDD
Storage layout:	All-Flash: up to 50TB RAW Hybrid: up to 96TB RAW
Remote: Management	IPMI 2.0 on dedicated interface

blazics micro 100

Form factor:	Midi-Tower
Scaling:	2 nodes per cluster
CPU:	8 Core Intel Xeon SoC
RAM:	up to 256GB
NIC:	2x 10GbE Storage Network
Storage capacity:	All-NVMe, NVMe+SSD, NVMe+SSD+HDD
Storage layout:	All-Flash: up to64TB RAW Hybrid: up to 128TB RAW
Remote: Management	IPMI 2.0 on dedicated interface

Use Cases

Remote Office/ Branch Office

IoT/ kubernetes

Highly Available VM's/services

High-performance, redundant file server and backup target

Microsoft Azure Stack HCI certified solution

Hardware
Validated secureguard hardware with optimized driver and firmware versions

Software Defined Infrastruktur
Preinstalled Windows Server 2019 Datacenter Edition and Windows Admin Center

Azure Services
Optional management and security services available through an Azure account

More Information: Microsoft.com/hci

High-performance 10GbE network

The SecureGUARD blazics 100 solution uses both on-board 10GbE network interfaces for storage traffic between nodes and as a connection into your existing office network. The use of RDMA (remote direct memory access) via iWarp reduces CPU load and accelerates memory access. (2-node cluster up to 65,000 IOPS, VMFleet)

About secureguard

With more than 20 years' experience in development of specialized software and integrated hardware solutions, SecureGUARD GmbH, headquartered in Linz (Austria), is a long-term Microsoft Gold Certified Partner and Member of the Microsoft Enterprise Cloud Alliance.

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