InfiniGuard® Specifications

Models: B4306 | B4312

InfiniGuard offers unmatched speed and reliability in data backup and restore capacity for high-performance business continuity and disaster recovery. InfiniGuard’s modern data protection solution is enhanced with InfiniSafe® built-in technologies providing: immutable snapshots, logical air gap, a fenced forensic network, and near-instantaneous recovery at no additional cost. InfiniGuard provides a comprehensive modern data protection solution built on our market-leading InfiniBox® to optimize performance and target-side dedupe processing, enabling you to maximize effective capacity for multi-petabyte datasets.
## InfiniGuard B4306 & B4312 System Specifications

### Capacity
- **Effective Capacity**: Up to 25PB+* (B4306)  
  Up to 50PB+* (B4312)
- **Dedupe Technology**: Inline, Variable-length

### Performance Features
- **Throughput**: Up to 180TB/h with NetBoost**
- **Flash Cache**: 28TB
- **Total System Memory**: 3,840GB (B4306: InfiniBox Nodes / deduplication engines [DDEs])  
  4,608GB (B4312: InfiniBox Nodes / deduplication engines [DDEs])

### Connectivity and Integration
- **FC Ports/Ethernet Ports**: Up to 36x 16Gbps FC / 10GbE, mixed. 25GbE option (max. 18 ports)

### Availability and Data Protection
- Fully redundant storage hardware
- Triple-active storage node redundancy
- Fastest media rebuild in the industry
- WAN-optimized, encrypted replication

### InfiniSafe Cyber Resilience Technologies
- Immutable snapshots
- Logical air-gapped protection
- Fenced forensic network
- Near-instantaneous recovery

### Application Integration
- Backup software: Veritas NetBackup, IBM Spectrum Protect, Commvault, Veeam, Oracle RMAN Backup, and more.
- Third-party, multi-factor authentication (MFA) integration.

### InfiniGuard Physical and Environmental Characteristics
- **Power Consumption**: 6.0 KW (typical), 9.4 KW (max)
- **Form Factor**: 42U in standard 48.26 cm (19 in) rack
- **Maximum Weight**: 910 kg (2,006 lbs)
- **Operating Temperature**: 10°C–30°C (50°F–86°F)
- **Altitude (max)**: 2,000 m (6562 ft)
- **Humidity**: 25%-80% non-condensing
- **Service Clearance: Front/Rear**: 120 cm/45 cm (47.24 in/17.8 in)
- **Input Voltage North America**:  
  Single phase: 200V-240V VAC, 50/60Hz, W+N+PE 24A | Dual-phase: 208 VAC, 50/60Hz, 2W+PE 24A  
  Three-phase: 120Y/208 VAC, 3W+N+PE, 50/60Hz, 24A | Three-phase: 120Y/208 VAC, 3W+N+PE, 50/60Hz, 24A  
  Single-phase: 220V-240V VAC 50/60Hz, W+N+PE, 32A | Three-phase: 220/380-240/415 VAC, 3W+N+PE, 50/60Hz,16A
- **Input Current North America**: Single/Dual-phase: 4 inputs, 24A per input | Three-phase: 4 inputs, 24A per input
- **Input Current Europe**: Single-phase: 4 inputs, 32A per input | Three-phase: 4 inputs, 16A per input
- **Cooling**: 20,500 BTU/Hour (typical)

---

* Effective capacities. Actual results may vary.
** Overall system performance with two DDEs in use, 90% DeDup rate.

**sales@INFINIDAT.com** | **+1.855.900.4634**
**DS-IGRDTE-220209-US © INFINIDAT 2022**