

Datasheet

NovaServer R2



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Technical data	
System	Onboard web and database server, Linux-embedded
Ports	2x USB 3.1, 2x USB 2.0, 1x VGA, 1x COM, 2x RJ45 Gigabit Ethernet, 1x Dedicated RJ45 IPMI port
Form factor	
Mounting	19" rack mount
Construction height	1U (43mm)
Mounting depth	249mm (Ultra-short depth)
Housing	
Dimensions (W x H x D)	437mm x 43mm x 249mm
Weight	Approx. 5 kg
Fan type	1x 40mm internal fan
NovaServer Features	
Management Interface	Web-based HTML5 interface (Linux-embedded)
Pre-installed Software	Yes, pre-configured software and drivers
System Expansion	Yes, software-based remote upgrades without hardware changes
Data Redundancy	Automatic backup with replication to all controllers; optional redundant server
Base Capacity	5,000 Users, 500 Doors, 2 Administrators, all expandable via licenses
Access Limits	Unlimited access groups and time intervals
Event Logging	10 million events in internal storage
Access Automation	Scheduled Door Unlocking Toggle Mode Dual-Credential Entry Anti-passback (APB)
Data Management	Bulk import/export of user data and access rights via .xlsx, .csv, and .txt formats.
High Security features	Auth & Access Control: 2FA/Dual-Card, PIN Lockout & Min. Length, Interlock, Group Date/Time Validation Cyber Security: Custom HTTPS, Restricted SSH, Idle Lockout, Password Complexity, Slave GUI Access Monitoring: IP Camera Picture Capture, Real-time system notifications
GDPR compliant	Yes
Security	Yes, cyber secured with encryption at all entities, Grade 4 certified

Optional Licenses & Advanced Modules	
Connectivity	Nova Remote Access: Secure cloud-based remote system configuration and management Nova Connect: Multi-site synchronization and remote site management
Administration	System Partitioning with Local Admin LDAP/MS Active Directory Integration
Management	Visitor Management Card Design & Printing
Visuals & Control	Floor Plan Graphic Display Door Widgets Info Screen Visualization Presence Management
Automation	Booking & Hospitality (Rooms, Freeflow, Timeslots) Self-Service License
Integration	Advanced Integration: Scripting via Python, Webhooks and WebServices Building Automation: Native support for MQTT, BACnet, and KNX protocols Legacy/External Support: Dedicated API XML Module for third-party software
Security & Safety	Emergency Management: Automated fire alarm response and door release System Integration: Intrusion detection, Guard Tour monitoring, and Intercom/Door Station connectivity
Reader Hardware Support	Third-party Reader Licenses supporting OSDP, IP-reader, UHF and LPR