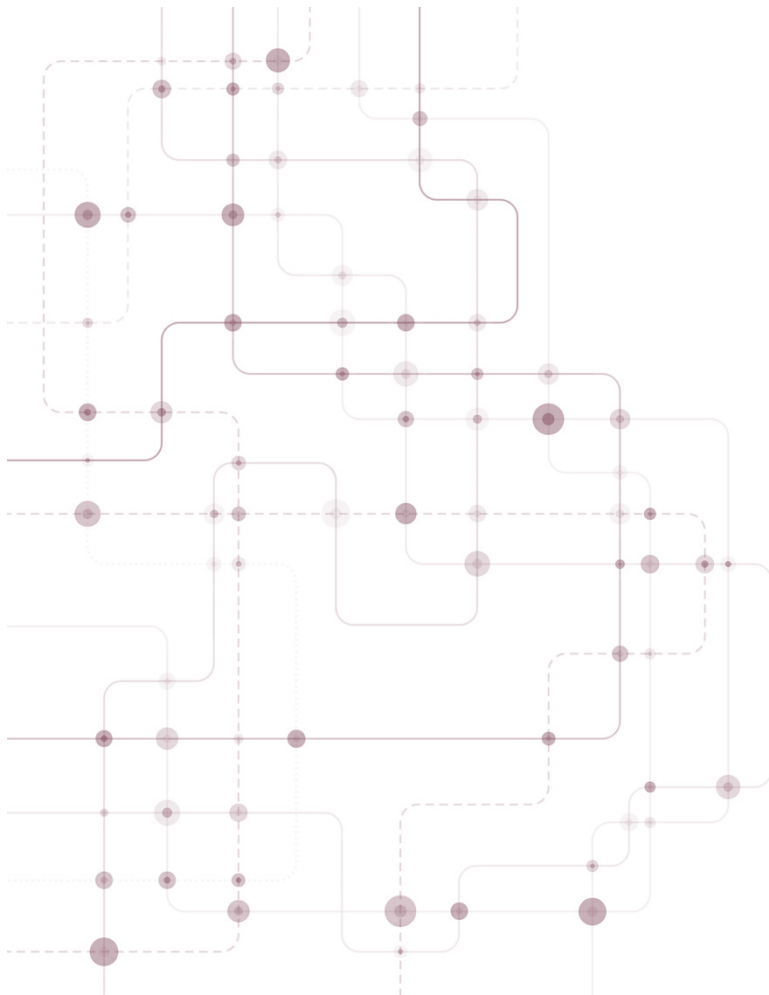


Technical Specification

SIMBIR SECURITY PLUS 9000

CAST IRON INGOT

Digital Analytical Security System with On-Site Operational Capability



1. General Description

The Simbir Security Plus 9000 (Cast Iron Ingot) is the most advanced integrated and reactive security system of the Metal Series.

It combines the power of automated predictive digital analysis with real-time human intervention, thanks to direct connection with 24/7 active control rooms and physical response teams.

Built from high-density cast iron, the system ensures thermal stability, electromagnetic shielding, and long-term durability, even in extreme environments.

Fully compatible with Night Plus #711, Cyber Control #3A1, and Music Memories Plus #ZZ54, it represents the ultimate integration between artificial intelligence, human supervision, and dynamic protection.

2. Hardware Specifications

Parameter	Description
External Structure	Cast Iron Ingot 7.4 with anti-corrosion coating and full EMI shielding
Main CPU	AI Octa-Core QuantumSecure™ @ 3.4 GHz – dedicated to predictive and multichannel processing
Operational Co-Processor	Simbir CoreLink™ for simultaneous management of sensor, audio, video, and operational data
RAM Memory	32 GB DDR5 ECC (Error Correction)
Local Storage	4 TB SSD with AES-512 encryption and automatic RAID 1 backup
Cloud Storage	Simbir SecureCloud™ – distributed hardened server with air-gapped access and ISO 27001 certification
GPU	TensorFlowAI™ supporting computer vision and machine learning
Power Supply	24V DC / integrated UPS / autonomous lithium cell power (up to 36h autonomy)
Average Power Consumption	54 W (operating) / 11 W (standby)
Protection Rating	IP68 / IK10 – resistant to impact, immersion, and extreme environmental conditions
Connectivity	10G Ethernet / Wi-Fi 6E / 5G / Bluetooth 5.4 / GPS / Galileo / LoRaWAN
Expansion Ports	8× USB 3.1 / 4× RS-485 / 2× HDMI / 2× SIM slots / 1× SD Backup Port
Operating Temperature	-35°C / +75°C

3. Compatible Sensors and Modules

The Simbir Security Plus 9000 can simultaneously manage an unlimited number of integrated sensors and cameras via network or cloud, including industrial, environmental, and biometric modules.

Module Type	Main Function
IR and Microwave Sensors	Detection of movement, intrusion, or unauthorized crossings
Multispectral Cameras	IR and thermal night vision with advanced body recognition
Vehicle Radars	Monitoring of speed, position, and behavioral deviations
Directional Audio Modules	Detection of suspicious sounds and noises in outdoor areas
Magnetic and Vibration Sensors	Monitoring of doors, gates, and sensitive perimeters
Dual-Band RF Modules	Scanning of radio and mobile communications over 128 channels
Biometric Sensors	GDPR-compliant body identification (non-facial alternative)
GPS / Galileo Modules	Real-time tracking of protected vehicles and individuals
Metal Series Domotic Accessories	Integration with lighting, access, and emergency systems

4. Software and Operational Functions

Analytical Processing and On-Site Management

- Interpretation of data from cameras, sensors, communications, and satellite feeds
- Real-time visualization on 3D operational dashboards with dynamic mapping
- Behavioral and predictive analysis of suspicious or recurrent events
- Automatic data transmission to human operators in control rooms for assessment and action

Vehicle and Territorial Control

- Monitoring of nearby vehicles and habitual routes
- Detection of tailing, deviations, and anomalous movements

- Automatic generation of safe alternative routes integrated into protected subjects' GPS systems
- Instant alerts sent to law enforcement and private rapid response units

Communication Analysis

- Detection of suspicious calls, messages, and radio transmissions
- Analysis and triangulation of nearby devices around protected individuals or areas
- Cross-referencing of digital activity with physical movements, interpreted in real time by Simbir analysts

Mobile and Global Security

- Continuous surveillance during global mobility (where legally permitted)
- Automatic identification of behavioral anomalies in protected subjects
- Support for safe transfer to secure areas or designated checkpoints

Total Integration

- Native plug-in with Night Plus #711, Cyber Control #3A1, and Music Memories Plus #ZZ54
- Full compatibility with KNX, MQTT, Zigbee, Z-Wave, Modbus, and MetalCloud™ protocols
- Automatic synchronization with public and private control centers

5. Cybersecurity and Data Protection

- Fully air-gapped architecture, isolated from local IT networks
- Proprietary SimbirQuantum™ firewall with 512-bit encryption
- Blockchain validation for all recorded events
- Multi-factor authentication (biometric, hardware token, dynamic password)
- Digitally signed firmware updates distributed via encrypted network
- Full GDPR compliance

6. User Interface and Management

- Command software: Simbir Commander Suite
- Real-time tactical dashboard with graphs, reports, and multilayer maps
- Direct integration with CRM and statistical modules
- Remote management from CPU, tablet, smartphone, or dedicated control center
- Operator interaction possible via voice, text, or manual input
- Instant alerts and automated emergency calls

7. Versions and Configurations

Version	Description
SSP 9000 Standard	Configuration for medium-sized residential and business installations
SSP 9000 PRO	Version for critical infrastructures, government sites, and industrial centers
SSP 9000 Global	Edition with extended access to satellite networks and international control rooms
SSP 9000 Tactical	Mobile configuration for vehicles, convoys, and operational fleets

Available Colors: Iron Black, Graphite Grey, Metallic Bronze, Gunmetal Steel.
Installation Options: Rack-mounted, wall-mounted, or certified mobile unit.

8. Services and Support

- Preventive analysis and custom design
- Certified installation and operational testing
- Training for security personnel
- 24/7 remote and on-site technical support
- Software updates and automatic predictive maintenance
- Standard 3-year warranty, extendable up to 8 years

9. Operational Limitations

* Some restrictions may apply in military, airport, or strategically controlled areas.

** Data coverage not available in countries with data-processing bans (e.g., North Korea, Iran, Libya).

*** Private security team operations are restricted in certain regions (e.g., China, North Korea).

Please verify local availability and coverage with your authorized distributor.