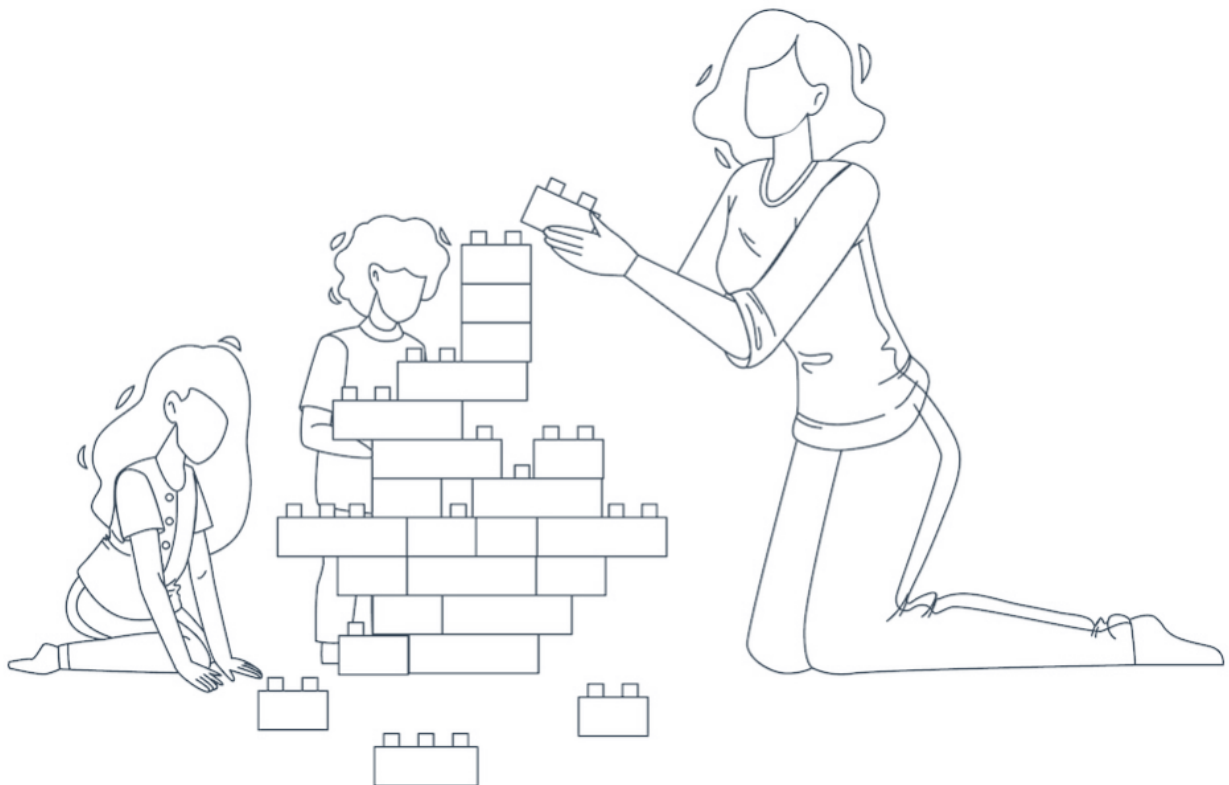


Technical Specification

FIND FAMILY PLUS 83H

CERAMIC SHIELD SERIES

Advanced Family Protection and Care



1. General Description

The FindFamilyPlus83H, part of the Ceramic Shield Series, represents the evolution of intelligent family protection, digital safety, and smart home coordination within the Metal Series line. Designed for modern households, residential structures, and community environments, it integrates real-time geolocation, ethical digital monitoring, and adaptive home automation into one unified ecosystem. Powered by the contextual intelligence engine FamilyLink™, the system learns the habits, rhythms, and needs of every family member — anticipating situations, preventing risks, and simplifying daily management.

Its Ceramic Shield enclosure, engineered for high thermal and magnetic resistance, combines elegance, strength, and long-term stability, ensuring safety and operational continuity in all environments.

All data is processed locally and stored through the MetalSafe™ encrypted cloud, ensuring maximum privacy, reliability, and resilience even in case of network interruptions.

2. Hardware Specifications

Parameter	Description
External Structure	Ceramic Shield composite shell with anti-magnetic coating and satin soft-touch finish
Main CPU	ARM Cortex-A78 Octa-Core 2.8 GHz – local edge computing processing
RAM Memory	16 GB DDR5
Internal Storage	1 TB SSD with AES-256 encryption
Cloud Storage	MetalSafe™ dedicated encrypted server with one-way firewall protection
Power Supply	12V DC / 24V DC with integrated UPS backup (48h autonomy)
Average Power Consumption	25 W (active) / 7 W (standby)
Operating Temperature	–15°C / +55°C
Protection Rating	IP67 – resistant to dust, water, and impact
Connectivity	Wi-Fi 6 / 5G LTE / Bluetooth 5.3 / NFC / Zigbee / Z-Wave
Expansion Ports	2× USB 3.0, 1× HDMI, 1× RS-485, 1× SIM slot, 1× MetalLink™ Port
Mounting Options	Wall / rack / modular desktop base
Smart Home Compatibility	Metal Smart Home™, Alexa®, Google Home®, Apple HomeKit®

3. Compatible Sensors and Modules

The FindFamilyPlus83H supports an unlimited number of smart sensors and modules, connected through wired or wireless networks, automatically managed via the FamilyLink Mesh™ protocol.

Module Type	Main Function
GPS Tracker FamilyTag™	Real-time location tracking of children, elderly, or vehicles
Environmental Sensors SmartSense™	Monitoring of temperature, humidity, CO ₂ , air pressure, and air quality
Presence and Motion Sensors	Detection of movement or unauthorized access in sensitive areas
Magnetic Safety Sensors	Monitoring of doors, windows, gates, and cabinets
Environmental Microphones FamilyVoice™	Recognition of unusual sounds, voice calls, or distress signals
Smart Cameras IR+	Night vision up to 40 m, AI detection for humans and pets
Parental Control Nodes™	Management of screen time and digital content on family devices
Wearable Link Devices	Integration with smartwatches and personal trackers
Emergency Beacon Module	Automatic activation of alarms or emergency calls

4. Software and Advanced Features

Artificial Intelligence and Predictive Performance

- FamilyLink™ adaptive AI engine for behavioral and routine analysis.
- Automatic detection of anomalies such as delayed returns, irregular routes, or prolonged inactivity.
- Adaptive machine learning to optimize system response over time.
- Semantic and contextual understanding of digital and physical family interactions.

Family Safety and Real-Time Location

- Continuous member tracking with updates every 3 seconds.
- Customizable Safe Zones and smart notifications for geofencing (entry/exit).
- Integration with public transport and personal vehicle networks.
- Emergency Connect™ function for instant contact with pre-set emergency numbers.

Parental Monitoring and Digital Wellbeing

- Monitoring of device usage time and app activity.
- Automated content analysis and parental alerts for inappropriate media.
- Remote blocking or limitation of gaming, social media, and streaming apps.
- Digital Balance™ mode for daily scheduling (study, sleep, relaxation).

Smart Home and Environmental Management

- Remote control of lighting, climate, audio, and energy systems.
- Automatic regulation of heating and air conditioning based on occupancy.
- Monitoring and access control for sensitive home areas (garage, pool, terrace).
- Built-in automation scenarios: Home Arrival, Good Night, Vacation Mode.

Assistance and Lifestyle Integration

- Direct connection to verified external services: transportation, hotel bookings, events, healthcare.
- Family budget and shared payment management with real-time tracking.
- Intelligent alerts in case of fall, domestic accident, or medical emergency.
- Full voice assistance and remote management through the Family Commander app.

5. Cybersecurity and Data Protection

- Local data processing with encrypted MetalSafe™ cloud synchronization.
- End-to-end AES-256 encryption and proprietary CeramicWall™ firewall.
- Multi-user access with Two-Factor Authentication and Token ID.
- Offline Resilience™ mode: system remains active even without internet connection.
- Fully compliant with GDPR (EU Regulation 2016/679) and ISO/IEC 27001 standards.

6. User Interface and Management

Parameter	Description
Control Software	Family Commander Suite (Windows / macOS / Android / iOS)
Dashboard	Interactive home map with real-time member location and status
Voice Commands	Compatible with Alexa®, Google Assistant®, Siri®
Remote Access	Full control via CPU, tablet, or smartphone
Notifications	Push alerts, emails, or automated calls to parents, caregivers, or security teams
Reporting Tools	Daily reports of digital activity, presence, and behavioral trends

7. Options and Customizations

Custom Finishes: Ceramic White, Graphite Grey, Midnight Blue, Ivory Matte

Installation Type: Wall-mounted, rack, or modular desktop base

8. Services and Support

- Custom home and network security analysis
- Certified installation and tailored configuration
- Training sessions for parents, caregivers, and technical users
- Automatic firmware updates and predictive maintenance via MetalSafe™
- 24/7 remote technical support and assistance center
- Warranty: 3 years (extendable up to 7 years under the MetalCare™ program)