



PROVCOM

CASTER Series

PROV-H-121

IP Control Server

Overview

PROV-H-121 is a purpose-built rack-mount server engineered to operate PROVCOM CASTER in professional communication environments that require reliable, centralized, and continuous system performance. Designed for enterprise and mission-critical deployments, it provides a dependable hardware foundation for managing facility-wide communication workflows through a secure and scalable CASTER platform. With its compact rack-mount design, robust architecture, and enterprise-ready connectivity, PROV-H-121 supports modern infrastructures where operational continuity, system control, and communication reliability are essential.



Key Features



Centralized CASTER Platform
Unified control for paging, schedules, priorities, and system access.



Reliable Server Platform
Stable performance for daily paging and emergency communication.



Enterprise Network Architecture
Built for modern IT and communication infrastructures.



Scalable System Architecture
Supports structured expansion and adaptable deployment based on project requirements.



Zone-Based Paging
Broadcasts announcements to selected zones, groups, departments, or facility-wide areas.



Live Announcements
Enables authorized users to deliver real-time voice messages through supported paging interfaces.



Scheduled Broadcasting

Automates daily, weekly, interval-based, and event-based announcements.



Priority Paging

Allows urgent messages to override routine announcements based on predefined priority levels.



Recorded Message Playback

Plays predefined audio messages, tones, alerts, and instructions across selected zones.



Web-Based Management

Provides centralized access for configuration, user permissions, zone control, logging, backup, and restore.



IP Telephony Integration

Supports integration with IP telephone systems to enable paging and announcements through compatible SIP-based phones.



AVAYA



AASTRA



SIP Phones



IP PBX Systems



SIP Trunks



Voice Gateways



Unified Communications



FIRE ALARM SYSTEMS

Seamless integration with fire detection and alarm systems for critical event notifications and emergency response.

Honeywell



tyco



SIEMENS



Fire Alarm Panels



Smoke / Heat Detectors



Visual Alarm Indicators



Speakers / Horn Systems



Manual Call Points

Components



1	RJ45 Console Port	5	SFP+ Ports
2	USB 3.0 Port	6	VGA Port
3	USB 2.0 Port	7	AC Power Interface
4	Ethernet Ports		

Technical Specifications

Processor	Intel Atom Processor C3558 / C3758 / C3958 – Select Option	SFP+ Ports	4 × Intel X553 10G SFP+
Chipset	BKHD-1310NP-6L4S	System Functions	Auto-start after power restore; Wake-on-LAN; PXE; Watchdog
BIOS	AMI EFI BIOS	Power Supply	Mean Well LRS-75-12 – Input: 100–240V AC, 1.0A; Output: 12V DC, 6.25A
Memory	2 × DDR4 SO-DIMM memory slots, up to 64GB, 3200MHz	Certifications	CE; CCC; FCC; RoHS
Storage	1 × M.2 NVMe 2280; 2 × SATA 6.0Gb/s	Dimensions	440 × 287 × 45 mm, without rack ears
Display Output	1 × VGA port	Working Temperature	0°C to +50°C with commercial HDD; -20°C to +50°C with industrial SSD; surface airflow required
Front I/O Ports	6 × Ethernet ports; 4 × SFP+ ports; 1 × USB 3.0; 1 × USB 2.0; 1 × RJ45 Console	Operating Humidity	5%–90% RH, non-condensing
Rear I/O Ports	1 × VGA port; 1 × AC power input; 1 × Power Button	Weight	Gross weight: 3.60 kg; Net weight: 3.20 kg
Expansion Slots	1 × PCIe x8 expansion slot; 1 × M.2 for Wi-Fi / Bluetooth / 5G module; 1 × Mini PCIe for Wi-Fi / Bluetooth / 4G module	Packaging Dimensions	520 × 340 × 120 mm
Ethernet Ports	2 × Intel i211 + 4 × Intel i350 Gigabit Ethernet		

Application Scenarios

