

Verified Compact PC Configurations for Up to 50 Projectors

Reference configurations for using compact PCs that do not meet the standard system requirements

Purpose of This Document

This document provides reference configurations verified by Panasonic for using compact PCs that do not meet the standard system requirements as monitoring terminals for the Remotely Managed Service Monitoring Service. It does not replace the standard system requirements.

1. About This Document

For the Remotely Managed Service Monitoring Service, the use of a monitoring terminal that meets the standard system requirements is the general requirement. If no more than 50 projectors are connected and the specified operating conditions are met, the compact PC configurations verified by Panasonic may be used as a reference.

The configurations in this document are examples verified by Panasonic. Operation is not guaranteed on every compact PC or computer with equivalent specifications. Operation and response performance may vary depending on the operating environment, number of connected projectors, network conditions, and operation of other applications.

2. Relationship to the Standard System Requirements

Item	Standard System Requirements	Purpose of This Document
Scope	All customers using Remotely Managed Service (Monitoring Service)	Customers who are considering a compact PC for configurations of up to 50 projectors
Monitoring Terminal	A Windows® PC that meets the standard requirements	Compact PC configurations verified by Panasonic
Purpose	Confirm the standard installation requirements	Reference information for using a terminal below the standard system requirements
Status	Basic requirements	Supplementary information and reference configurations
Important Note	Use of a terminal that meets the requirements is assumed	Operation is not guaranteed on every terminal with equivalent specifications

3. Verification Conditions and Operating Prerequisites

The configurations in this document were verified by Panasonic under the conditions below. When using a compact PC in your environment, use it under the same conditions as our verification conditions.

Operation and response performance may vary when used under conditions different from those below.

Item	Panasonic Verification Conditions	Conditions for Use in Your Environment
Number of Connections	50 projectors	Use a configuration with no more than 50 projectors.
Update Interval	10 minutes	Use the same 10-minute update interval as the verification condition.
Disconnected Projectors	No disconnected projectors	Use the service in an environment where multiple projectors are not disconnected or unable to communicate. Response performance may decrease if multiple projectors are disconnected.
Other Applications	No concurrent operation with other applications	Use a configuration in which no other applications run concurrently.
Network Communication	Port communication required for Remotely Managed Service is not blocked	Configure switches, routers, firewalls, proxies, and other devices along the communication path so that port communication required for Remotely Managed Service is not blocked.

4. Verified Configurations

The following configurations were verified by Panasonic. Operation is not guaranteed for every listed model or every computer with equivalent specifications.

CPU	Model	Memory	Storage	Specifications
Intel N95	GMKtec G3S	8 GB	256 GB SSD	3.4 GHz / 4 cores
Intel Atom X6425RE	Lenovo ThinkEdge SE10	8 GB	256 GB SSD	1.9 GHz / 4 cores
Intel Core i5-1145G7E	EM-JDSSC8EXA	8 GB	128 GB SSD	1.5–4.1 GHz / 4 cores

5. Required Network Communication

When using a compact PC as a monitoring terminal, the network communication requirements for Remotely Managed Service must also be met. For details, refer to “Remotely Managed Service Connection Configuration and Port Settings” and “Remotely Managed Service System Requirements.”

Communication Path	Purpose	Port	Protocol	Direction
Projector to/from Windows® PC	HTTP communication	80	TCP	Bidirectional
Projector to/from Windows® PC	Command Control	1024	TCP/UDP	Bidirectional
Projector to/from Windows® PC	PJLink™	4352	TCP	Bidirectional
Windows® PC to Internet	HTTPS communication	443	TCP	Outbound

6. Important Notes and Information Required for Inquiries

Important Note

The configurations in this document are examples verified by Panasonic. They do not replace the standard system requirements. Operation is not guaranteed on every compact PC or computer with equivalent specifications.

When a compact PC is used, Panasonic may ask for the following information when checking the operating status.

☐	Model of computer used, CPU, memory, and storage
☐	Number of connected projectors
☐	Update interval setting
☐	Whether any projectors are disconnected or unable to communicate
☐	Operating status of other applications
☐	Network configuration and port settings