

SIEMENS

***MK8000 OPC Server Interface
Specification for Gateway 21***

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Gateway 21

The Gateway GW-21 acts as communication front-end of a presentation system [or management station(s)]. The presentation system can be an LMS, MM8000, MK8000, or a foreign system.

The GW-21 provides the following main functions:

- Interface between subsystems and management, or operator workstations (LMS, MM8000, MK8000, or a foreign system);
- Interactions among subsystems;
- Protocol conversions.

The GW-21 gateway is composed of one CPU board with serial communication capability, which can be connected to an optional expansion board with additional serial lines in a piggyback configuration.

In a two-level network architecture, the GW-21 can be used as communication layer that connects the subsystems to a higher level GW-20.

Gateway 21 - (HWCMAPMN)

The `Gateway 21` object represents the Gateway concentrator with a maximum of 6 serial connections. It can interface a maximum of 2 management stations, and up to 4 connections with subsystems.

Multistate	Commands										
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man

1000 Quiet ✓

No abnormal condition present

1350 Anomaly Unreset ✓ ✓

A new configuration or configuration error condition has been detected for this Pad.
The event should now be reset by the operator.

1351 Anomaly Ack ✓

A or configuration error condition has been detected for this Pad.

1369 Not Aligned

The control unit is not aligned to the field.

1370 Alignment In Progress

The alignment phase is in progress.

1999 Fault Ack

Connection with management station or GW-20 is lost.

Power Supply - (HWCMPSGE)

The `Power Supply` object represents the supervision of the power supply.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal condition present

1999 Fault Ack

A fault was detected for the following reason:

- a) Battery discharged
 - b) Fuse blown
 - c) V220 KO.
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Line - (HWCMLIGE)

The `Line` object represents one of the 6 available connections.

Multistate	Commands											
	1-Ack	2-Reset	4-Arm	8-Disarm	16-Test	32-Active	64-Quiet	128-Disc	256-Conn	512-Block	1024-Man	2048-Status

1000 Quiet

No abnormal condition present

1351 Anomaly Ack

A configuration error condition has been detected for this Pad.

1999 Fault Ack

A subsystem or host communication fault was detected

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