



Product Data Sheet

OMRON Host Link Communication Server

The Klinkmann **OMRON Host Link Communication Server (OMRHLINK)** is a Microsoft Windows 32-bit application program that acts as a communication protocol *Server* and allows other Windows application programs to access data from OMRON PLCs (also referred to as controllers or devices) using the Host Link protocol. The OMRON Host Link Server communicates with OMRON CS1-series, CJ1-series, CV-Series, C-Series, CPM2x, 200HX/C200HG/C200HE and CQM1 controllers via serial RS-232/RS-422/RS-485 interface.

Any Microsoft Windows program that is capable of acting as a DDE, FastDDE, SuiteLink or OPC *Client* may use the OMRHLINK Server.

There are following OMRHLINK Server versions available:

- OMRHLINK DDE & Suite Link Server,
- OMRHLINK OPC & DDE Server.

FEATURES

The **OPC** support for OMRHLINK Server OPC & DDE version conforms to OPC Data Access Custom Interface Specification 2.04. The OMRHLINK Server OPC & DDE version is tested for compliance and is compatible with OPC Foundation OPC Data Access Compliance Test Tool.

The OMRHLINK Server DDE & Suite Link version supports the Wonderware **Suite Link** communication protocol.

The OMRHLINK Server supports communication with controller directly via serial or multi-dropped serial configuration or networked connection if communicating with controller that is on some of OMRON FA (Factory Automation) networks (e.g. Ethernet or Controller Link).

Minimizes system message traffic by dynamically calculating and optimizing poll lists to read only, client - requested items/points.

Supports multiple topics, allowing different data update rates for each PLC.

Provides a communication status flag for each topic.

Supports standard DDE among multiple applications.

SPECIFICATIONS

Hardware: For effective using the following is recommended - CPU: 586 133 MHz or faster, 32MB RAM or more. May require more memory to run other Windows programs simultaneously.

Software: MS Windows XP, Windows 2003 Server, Windows 7, Windows 2008 Server, Windows 2012 Server.

Computer Interface: Serial RS-232/RS-422/RS-485 connection

Devices Supported: OMRON CS1-series, CJ1-series, CJ2-series, CV-Series, C-Series, CPM2x, 200HX/C200HG/C200HE and CQM1 controllers.

Accessible Point Types:

The following lists the supported Point Types for each specified OMRON CS1-series, CJ1-series, CV-Series, C-Series, CPM2x, 200HX/C200HG/C200HE and CQM1 PLCs:

CS1/CJ1/CJ2 PLCs

- CIO area
- Work area
- Holding area
- Auxiliary area
- Temporary Relay area
- Data Memory area
- Extended Data Memory area (current bank only)
- Completion flags for Timers/Counters
- Timer/Counter PVs
- Index Registers
- Data Registers (CS1 only)

C200HX/C200HG/C200HE PLCs

- Internal Relay area
- Link Relay area
- Holding Relay area
- Auxiliary Relay area
- Timer/Counter area (Status)
- Present Values for Timers/Counters
- Data Memory area
- Extended Data Memory area

Note: All C200HX, C200HG and C200HE item types are Read/Write, except Completion flags for Timers/Counters, which type is Read Only.

C/CPM2x PLCs

- Input/Output register area
- Latching Relay area
- Holding Relay area
- Auxiliary Relay area
- Completion flags for Timers/Counters
- Present Values for Timers/Counters
- Data Memory area

Note: All C-Series point types are Read/Write, except Completion flags for Timers/Counters, which

type is Read Only.

CV-Series

CIO area
G area
Auxiliary Relay area
Timer Completion flags
Counter Completion flags
Timer Present Values
Counter Present Values
Data Memory area
Transition Area flags
Step Area Flag status
Step Area status
Step timer Present Values
Expansion area (Current bank)
Action Area Flag status
Register Area contents IR
Register Area contents DR

Note: The following CV-Series point types are Read Only: Timer Completion flags, Counter Completion flags, Transition Area flags, Step Area Flag status, Step Area.

All other point types are **Read/Write**.

CQM1 PLCs

CIO area
Input/Output register area
Latching Relay area
Holding Relay area
Auxiliary Relay area
Completion flags for Timers/Counters
Present Values for Timers/Counters
Data Memory area

ORDERING INFORMATION

Description / Order Number

OMRON Host Link DDE & Suite Link Server Manual & Disk Set / DR 480 10

OMRON Host Link OPC & DDE Server Manual & Disk Set / DR 480 11



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