



Product Data Sheet

ABB CS31 Communication Server

The Klinkmann **ABB CS31 Communication Server** is a Microsoft Windows application program that acts as a communication protocol *Server* and allows other Windows application programs to access the data from ABB Procontic CS31 automation system.

Any Microsoft Windows program that is capable of acting as a DDE, FastDDE, SuiteLink or OPC *Client* may use the ABBCS31 Server.

There are following ABBCS31 Server versions available:

- ABBCS31 DDE & Suite Link Server,
- ABBCS31 OPC & DDE Server.

FEATURES

The **OPC** support for ABBCS31 Server OPC & DDE version conforms to OPC Data Access Custom Interface Specification 2.04. The ABBCS31 Server OPC & DDE version is tested for compliance and is compatible with OPC Foundation OPC Data Access Compliance Test Tool.

The ABBCS31 Server DDE & Suite Link version (if running on MS Windows NT) supports the Wonderware **Suite Link** communication protocol.

The Server supports communication channel through the RS-232 port.

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

The Server supports multiple topics, allowing different data update rates for controller.

The Server provides a communication status flag for each topic.

The Server 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.

Maximum Connections: Supports only point-to-point connections (one PLC to one serial port).

Devices Supported: ABB Procontic CS31 PLCs using serial communications: types 07KR91, 07KT92, 07KR31. Also compatible with ABB IMC (Intelligent Motor Controller).

Accessible Point Types: The following lists the supported Point Types:

BINARY points

Item name	Description	DDE Tag Type	Range
E	BINARY input	Discrete	E00,00...E63,15
A	BINARY output	Discrete	A00,00...A63,15
M	BINARY flag	Discrete	M00,00...M255,15
S	BINARY step	Discrete	S00,00...S127,15
K	BINARY Indirect constant	Discrete	K00,00...K00,01

WORD & DOUBLE points

Item name	Description	DDE Tag Type	Range
EW	BINARY input	Integer	EW00,00...EW07,15
AW	BINARY output	Integer	AW00,00...AW6,15
MW	BINARY flag	Integer	MW00,00...MW255,15
KW	BINARY Indirect constant	Integer	MW00,00...MW255,15
MD	DOUBLE WORD flag	Integer	MD00,00...MD31,15
KD	DOUBLE WORD Indirect constant	Integer	KD00,00...KD07,15

Prefix "F" may be used for BINARY Inputs, WORD Inputs, BINARY Outputs and WORD Outputs and means, that point is forced. Forced points are only written to PLC and no polling is performed for them. These force values apply until the ABBCS31 Server is started next time.

FORCED points

Item name	Description	DDE Tag Type	Range
FE	FORCED BINARY input	Discrete	E00,00...EW63,15
FA	FORCED BINARY output	Discrete	A00,00...AW63,15
FEW	FORCED WORD input	Integer	EW00,00...EW07,15
FAW	FORCED WORD output	Integer	AW00,00...AW6,15

Items/points E, S and EW are Read Only.

ORDERING INFORMATION

Description / Order Number

ABB CS31 DDE & Suite Link Server Manual & Disk Set / DR010 06

ABB CS31 OPC & DDE Server Manual & Disk Set / DR010 07

KLINKMANN

www.klinkmann.com

Helsinki

tel. +358 9 540 4940
automation@klinkmann.fi

St. Petersburg

tel. +7 812 327 3752
klinkmann@klinkmann.spb.ru

Moscow

tel. +7 495 641 1616
moscow@klinkmann.spb.ru

Yekaterinburg

tel. +7 343 287 19 19
yekaterinburg@klinkmann.spb.ru

Samara

tel. +7 846 273 95 85
samara@klinkmann.spb.ru

Kiev

tel. +38 044 495 33 40
klinkmann@klinkmann.kiev.ua

Riga

tel. +371 6738 1617
klinkmann@klinkmann.lv

Vilnius

tel. +370 5 215 1646
post@klinkmann.lt

Tallinn

tel. +372 668 4500
klinkmann.est@klinkmann.ee

Minsk

tel. +375 17 200 0876
minsk@klinkmann.com