

DIAP Partner

i2r A/S

www.i2r.dk

GUIDE

DIAP Supported Protocols

Version 1.0

Table of contents

1	Introduction.....	3
2	Supported protocols	3
2.1	Protocol support DIAP gateway.....	3
2.2	API support DIAP cloud	4
2.3	API support DIAP gateway	4
2.4	I/O support.....	5

1 Introduction

This guide provides an overview of the protocols currently supported by DIAP.

2 Supported protocols

2.1 Protocol support DIAP gateway

Description	Native support (Now)	Indirect* support (Now)	Native Support (Future)	Indirect* Support (Future)	No support
CanOPEN	-	-	Client & Master?	Client & Master	-
DeviceNet	-	-	-	Client & Master	-
DNC	-	-	Client?	-	-
Ethercat	Master	-	-	-	-
EthernetIP (EIP)	-	-	Client & Master?	Client & Master	-
IFM Diagnostic tool (VSE)	Client	-	-	-	-
J1939	-	-	Client & Master	-	-
Modbus TCP	Client	-	-	-	-
Modbus RTU	Client	-	-	-	-
MTConnect	-	-	Client?	-	-
OPC UA	Client	-	-	-	-
Siemens Profibus	-	Client	-	-	-
Siemens Profinet	-	-	Client?	Client & Master?	-
Siemens S7	Client	-	-	-	-
Siemens S5	-	Client	-	-	-

*) Indirect support requires 3rd party hardware.

**) Protocols marked with “?” are in the implementation pipeline, but support cannot currently be guaranteed.

2.2 API support DIAP cloud

Description	Native support (Now)	Indirect* support (Now)	Native Support (Future)	Indirect* Support (Future)	No support
RESTful API	-	-	Client & Master	-	-

*) Indirect support requires 3rd party hardware.

**) Protocols marked with “?” are in the implementation pipeline, but support cannot currently be guaranteed.

2.3 API support DIAP gateway

Description	Native support (Now)	Indirect* support (Now)	Native Support (Future)	Indirect* Support (Future)	No support
Binary via TCP/IP	-	-	Client	-	-
Binary via UDP/IP	-	-	Client	-	-
CSV via TCP/IP	Client	-	-	-	-
FTP(s) via TCP/IP	Client	-	-	-	-
HTML(s) via TCP/IP	-	-	Client	-	-
XML via TCP/IP	Client	-	-	-	-

*) Indirect support requires 3rd party hardware.

**) Protocols marked with “?” are in the implementation pipeline, but support cannot currently be guaranteed.

2.4 I/O support

Description	Native support (Now)	Indirect* support (Now)	Native Support (Future)	Indirect* Support (Future)	No support
Analog input	4	-	-	Any	-
Canbus	4	-	-	Any	-
Digital PNP input	8	-	-	Any	-
Digital NPN input	-	8	-	Any	-
Digital output	2	-	-	Any	-
RS485	1	-	-	Any	-

*) Indirect support requires 3rd party hardware.

**) Protocols marked with “?” are in the implementation pipeline, but support cannot currently be guaranteed.