Communication accessory selection guide

There are 2 types of Sepam communication accessory:
■ Communication interfaces, which are essential for connecting Sepam to the communication network
■ Converters and other accessories, as options, which are used for complete implementation of the communication network.

Communication-interface selection guide

		ACE949-2	ACE959	ACE937	ACE969TP-2		ACE969FO-2		ACE850TP	ACE850FO
Type of Sepam										
Sepam series 20		■	■	■	■	■	■	■		
Sepam series 40/60/80		■	■	■	■	■	■	■	■	■
Type of network										
		S-LAN or E-LAN [1]	S-LAN or E-LAN [1]	S-LAN or E-LAN [1]	S-LAN	E-LAN	S-LAN	E-LAN	S-LAN and E-LAN	S-LAN and E-LAN
Protocol										
Modbus RTU		■	■	■	■ [3]	■	■ [3]	■		
DNP3					■ [3]		■ [3]			
IEC 60870-5-103					■ [3]		■ [3]			
Modbus TCP/IP									■	■
IEC 61850									■	■
Physical interface										
RS 485	2-wire	■			■	■		■		
	4-wire		■							
Fiber optic ST	Star			■			■			
	Ring						■ [2]			
10/100 base Tx	2 ports								■	
100 base Fx	2 ports									■
Power supply										
DC		Supplied by Sepam	Supplied by Sepam	Supplied by Sepam	24 to 250 V		24 to 250 V		24 to 250 V	24 to 250 V
AC					110 to 240 V		110 to 240 V		110 to 240 V	110 to 240 V
See details on page		**page 389**	**page 390**	**page 391**	**page 392**		**page 392**		**page 398**	**page 398**

(1) Only one connection possible, S-LAN or E-LAN.
(2) Use of Echo mode is mandatory, see manual SEPED303002, SEPED305001 or SEPED305002.
(3) Not supported simultaneously (1 protocol per application).

Converter selection guide

	ACE909-2	ACE919CA	ACE919CC	EGX100	EGX300	ECI850
To supervisor						
Physical interface	1 RS 232 port	1 port 2-wire RS 485	1 port 2-wire RS 485	1 Ethernet port 10/100 base T	1 Ethernet port 10/100 base T	1 Ethernet port 10/100 base T
Modbus RTU	■ [1]	■ [1]	■ [1]			
IEC 60870-5-103	■ [1]	■ [1]	■ [1]			
DNP3	■ [1]	■ [1]	■ [1]			
Modbus TCP/IP				■	■	
IEC 61850						■
To Sepam						
Physical interface	1 port 2-wire RS 485	1 port 2-wire RS 485	1 port 2-wire RS 485	1 port RS 485 2-wire or 4-wire	1 port RS 485 2-wire or 4-wire	1 port RS 485 2-wire or 4-wire
RS 485 distributed power supply	■	■	■			
Modbus RTU	■ [1]	■ [1]	■ [1]	■	■	■
IEC 60870-5-103	■ [1]	■ [1]	■ [1]			
DNP3	■ [1]	■ [1]	■ [1]			
Power supply						
DC			24 to 48 V	24 V	24 V	24 V
AC	110 to 220 V	110 to 220 V				
See details on page	**page 405**	**page 406**	**page 406**	**See EGX100 manual**	**See EGX300 manual**	**page 408**

(1) The supervisor protocol is the same as for Sepam.
Note: *All these interfaces support the E-LAN protocol.*

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