

Connect Series Comparison Sheet



Specifications	nConnect	Mμ Connect*	Connect*
Power supply	24V AC ±10%	11-30 V DC / 24 V AC ± 20% or 12V DC Battery	115/230 V AC 50 / 60 Hz, ±10 % or 12 V DC battery
Power Consumption	6 VA	8-40 VA	25 VA
Backup battery		Built-in battery charger includes surveillance of external led accumulator, (2 - 30 Ah)	Monitored, built-in battery charger for external lead battery, (2 - 30 Ah)
Clock	Realtime clock with backup	Realtime clock with backup	Real-time clock with built-in lithium battery
Memory	Flash memory	32 Mb Flash-memory	32 Mb Flash memory
Communication	1 pcs RS 485 for Modbus network (COM)	1 pcs. RS485 Galvanic separated for Instrument net	1 pcs. RS485 Galvanic separated for instrument net
	1 pcs RS-485 for HMI Display	1 pcs. RS485 Galvanic separated for Connect net	1 pcs. RS485 Galvanic separated for Connect net
		1 pcs. RS485 DIN bus for I/O modules	
		GSM/GPRS or 3G Modem or RS485/232	1 pcs. for communication module (GSM/GPRS or 3G Modem) (RS485/232)
	WIFI Communication Optional Feature (build in)	WIFI, build in 802.11b/g (2,4 GHz)	
Internal Communication protocol		Modbus® RTU-mode	Modbus® RTU-mode
External Communication protocol	Modbus® RTU-mode or COMLI®	Modbus® RTU, COMLI® or AquaCom Protocol	Modbus® RTU or COMLI®
USB Interface	1 pcs. USB 1,1 Type mini B, female	1 pcs. USB 1,1 type mini B, female	1 pcs. USB 1,1 type mini B, female
Enclosure	IP 20	IP 20	IP 67
Cabinet Material	PC (Polycarbonate)	PC (Polycarbonate)	Glas-reinforced polycarbonate
Operating Conditions	- 20 ... 60 °C	- 20 ... 60 °C	- 20 ... 60 °C
Weight	0,35 kg	0,55 kg	1,5 kg
CE Approval	EN 61000-6-2:2005 & EN 61000-6-4:2007		

*) Various configuration options, see details in datasheet

	nConnect	M μ Connect	Connect
Power supply for AI	18 V DC 30 mA	15 V DC	15 V DC
Power supply for DI	12 V DC 30 mA	15 V DC	15 V DC
I/O Expansion module	-	+	_**
Functions			
Pump Control 1	+	+	+
Control Word	+	+	+
Flow Calculation	+	+	+
Set Point Displacement	+	+	+
Depth pumping	+	+	+
Pump Control 2	-	+	+
Control Word	-	+	-
Flow Calculation	-	+	+
Set Point Displacement	-	+	+
Depth pumping	-	+	+
Energy Optimizing Pump Control	-	+	+
Control word	-	+	+
Depth pumping	-	+	+
Interlock	-	+	+
Stormflow	-	+	+
Rain Intensity	-	+	-
Logical Functions	+	+	+
Datalogger	+	+	+
Modbus Units	-	+	-
Smartrun driver	-	+	-
Modbus slave driver	-	+	-
I/O Signals			
Digital Input DI	4	6*	16**
Digital Output DO	3	2*	8**
Analog Input AI	1	3*	6**
Analog Current Input CI	2	0	0
Analog Output AO	0	***	1**
Virtual Analog Input VAI	8	16	16
Alarm Call	-	+	+
System Setup	+	+	+
Communication	+	+	+
Day Shift Moment	+	+	+
Scada setup	+	+	+
Aquaview driver	-	+	-
Wireless	+	+	-
Statemachine	-	+	+

*) Can be expanded via I/O Module see datasheet (max. 32DI/32DO/16AI/16AO)

***) Can be expanded see datasheet

***) Via I/O Module

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	nConnect	Mμ Connect	Connect
Functions			
Pump Control 1	+	+	+
Pump Control 2	-	+	+
Energy Optimizing Pump Control	-	+	+
Interlock	-	+	+
Stormflow	-	+	+
Rain Intensity	-	+	-
Logical Functions	+	+	+
Datalogger	+	+	+
Modbus Units	-	+	-
I/O Signals			
Digital Input DI	4	6*	16**
Digital Output DO	3	2*	8**
Analog Input AI	1	3*	6**
Analog Current Input CI	2	0	0
Analog Output AO	0	***	1**
Virtual Analog Input VAI	8	16	16
Alarm Call	-	+	+
System Setup	+	+	+
Statemachine	-	+	+

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