



Comparison of Features ACOS 7 Series



*sturdy and
powerful*



*compact and
adaptable*

Features	ACOS 750		ACOS 730
	RTU 5.31/CU73x	RTU 7.9/CU73x/CU74x	RTU 8.12
Processing of process signals			
Information object model according to IEC 60870-5-104 (see Interoperability lists)	x	x	x
Group signals	x	x	via PLC
Command checkback signals (assignment SIG-> CMD)	x	x	
Lock signals (applies to SIG, MV, CV)	x	x	x
Monitoring signals	x	x	x
Change of information object parameters via private VIVAVIS telegrams	x		
Archives (VIVAVIS private, telegrams with time tag)	x	x	
SOE archive		x	
Max. no. of data objects in system	4097	4097	128
Communication standards			
IEC 60870-5-104 Client	x	x	
IEC 60870-5-104 Server	x	x	x
IEC 60870-5-101 Master	x	x	
IEC 60870-5-101 Slave	x	x	x
IEC 60870-5-103 Master	x	x	
Routings	x	x	
Telegram filters	x	x	x
Profile mapping	x	x	
IEC 61850 Client	x	x	
IEC 61850 Server	x	x	
Modbus RTU Master	x	x	x
Modbus TCP Client	x	x	x
Profibus DP Master	x	x	
3964R/RK512	x	x	

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	RTU 5.31/CU73x	RTU 7.9/CU73x/CU74x	RTU 8.12
Communication standards			
DNP3 Master/Slave (Legacy Mode)		X	
DNP3 Client/Server (Legacy Mode)		X	
4G Mobile Radio Modem CM33A	X	X	X
LoRa®Modem CM31A			X
Alternate transmission routes in monitoring direction (coupling to redundant IDS front end)			
Route switching	X	X	
Route switching	X	X	X
Time synchronization			
NTP Client	X	X	X
NTP Server	X	X	
IEC 60870-5-101/104 telegram type 103	X	X	X
Application			
PLC function	X	X	X
Standard solution for local substations			X
Standard solution for feed-in management			X
Parameterization			
Service interface	X	X	X
Remote over IP (webDAV)		X	X
Remote via file transfer acc. to IEC 60870-5-10x	X	X	
μSD card	X	X	X
Network, IT security & encryption			
OpenVPN Client	X	X	X
IPSec Client	X	X	X
TLS (IEC 62351-3)	X	X	X
Firewall	X	X	X
IEEE 802.1X Port Authentication		X	X
SNMPv3 Agent			X
DHCP support on ETHx			X
Secure service access (OpenVPN)	X	X	
Diagnose & Update			
Hardware, information objects, telegram traffic in ACOS ET	X	X	
Process status	X	X	X
NTP diagnose	X	X	X
Network traffic (via Wireshark)	X	X	X
GPRS or LTE diagnose (field strength indicator)	X	X	X
Diagnosis of application protocols (IEC 60870-5-101/104, Modbus RTU/TCP)			X
Firmware update via web interface	X	X	X
Telegram simulation via IEC Tester	X	X	X
Device log		X	X
Hardware			
Network interfaces CU	1	1/2/3	2
Serial interfaces RS232 CU	1	1	
Serial interfaces RS485 CU	1	1	1
Max. no. of additional I/O modules	32*	64*	3

*Note: Max. no. on CU73A: 6
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