













REMOTE PROBE based POWER ANALYZERS overview

Part-Number	1-EDRV-4P-4T-RP	1-EDRV-8P-4T-RP	1-EDRV-4P-4T-RC	1-EDRV-4P-4T-RC	1-EDRV-4P-7T-RP	1-EDRV-8P-7T-RP	1-EDRV-4P-7T-RC	1-EDRV-8P-7T-RC
Mainframe / Board	GEN4tB / 1 x GN800B	GEN4tB / 2 x GN800B	GEN4tB / 1 x GN800B	GEN4tB / 2 x GN800B	GEN7tB / 1 x GN800B	GEN7tB / 2 x GN800B	GEN7tB / 1 x GN800B	GEN7tB / 2 x GN800B
Voltage Probe	1 x P101I-4	2 x P101I-4	1 x P101I-4	2 x P101I-4	1 x P101I-4	2 x P101I-4	1 x P101I-4	2 x P101I-4
Current Probe	1 x P111I-4	2 x P111I-4	1 x P112I-4	2 x P112I-4	1 x P111I-4	2 x P111I-4	1 x P112I-4	2 x P112I-4
# of power channels	4	8	4	8	4	8	4	8
Max # of power channels	16	16	16	16	28	28	28	28
System picture								
Software	Perception ePower suite	Perception ePower suite	Perception ePower suite	Perception ePower suite	Perception ePower suite	Perception ePower suite	Perception ePower suite	Perception ePower suite
Base Power accuracy	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range
Local storage	500 GB SSD	500 GB SSD	500 GB SSD	500 GB SSD	2 x 1 TB SSD in RAID0	2 x 1 TB SSD in RAID0	2 x 1 TB SSD in RAID0	2 x 1 TB SSD in RAID0
Free slots for other cards	3	2	3	2	6	5	6	5
Sample rate / channel	2 MS/s	2 MS/s	2 MS/s	2 MS/s	2 MS/s	2 MS/s	2 MS/s	2 MS/s
Torque / speed inputs (max)	2 torque + 2 speed (8+8)	4 torque + 4 speed (8+8)	2 torque + 2 speed (8+8)	4 torque + 4 speed (8+8)	2 torque + 2 speed (12+12)	4 torque + 4 speed (12+12)	2 torque + 2 speed (12+12)	4 torque + 4 speed (12+12)
EtherCAT out/control option	✓	✓	✓	✓	✓	✓	✓	✓
CAN FD in/out/control option	✓	✓	✓	✓	✓	✓	✓	✓
XCP on Ethernet out/control	✓	✓	✓	✓	✓	✓	✓	✓
API out/control	✓	✓	✓	✓	✓	✓	✓	✓
RPC out/control	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)
Master/Sync support	✓ SFP option needed	✓ SFP option needed	✓ SFP option needed	✓ SFP option needed	✓	✓	✓	✓
Standard Accessories	2 x 10 m Fiber optical cable 1 x M/n level converter Rack mount brackets	4 x 10 m Fiber optical cable 1 x M/n level converter Rack mount brackets	2 x 10 m Fiber optical cable 1 x M/n level converter Rack mount brackets	4 x 10 m Fiber optical cable 1 x M/n level converter Rack mount brackets	2 x 10 m Fiber optical cable 1 x M/n level converter	4 x 10 m Fiber optical cable 1 x M/n level converter	2 x 10 m Fiber optical cable 1 x M/n level converter	4 x 10 m Fiber optical cable 1 x M/n level converter
Computing power	High	High	High	High	Very High	Very High	Very High	Very High
# of results to be stored	500	500	500	500	1000	1000	1000	1000
# of cycle-based operations	500	500	500	500	1000	1000	1000	1000
Data transfer rates								
to PC using 1 GB network	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s	100 MB/s
to PC 10 GB network option	400 MB/s	400 MB/s	400 MB/s	400 MB/s	400 MB/s	400 MB/s	400 MB/s	400 MB/s
to internal SSD	350 MB/s	350 MB/s	350 MB/s	350 MB/s	350 MB/s	350 MB/s	350 MB/s	350 MB/s
Acquisition card support	All "B" type cards and GN815/ GN816 cards				All "B" type cards, GN815/ GN816 cards, and up to 3 x GN3210 / GN3211 cards			

FAST REMOTE PROBE based POWER ANALYZERS overview

Part-Number	1-EDRV-4P-4T-RP-F	1-EDRV-4P-4T-RC-F	1-EDRV-4P-7T-RP-F	1-EDRV-8P-7T-RC-F
Mainframe / Board	GEN4tB / 1 x GN800B	GEN4tB / 1 x GN800B	GEN7tB / 1 x GN800B	GEN7tB / 1 x GN800B
Voltage Probe	1 x P201I-4	1 x P201I-4	1 x P201I-4	1 x P201I-4
Current Probe	1 x P211I-4	1 x P212I-4	1 x P211I-4	1 x P212I-4
# of power channels	4	4	4	4
Max # of power channels	16	16	28	28
System picture				
Software	Perception ePower suite	Perception ePower suite	Perception ePower suite	Perception ePower suite
Base Power accuracy	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range	0.015% of reading + 0.02% of range
Local storage	500 GB SSD	500 GB SSD	2 x 1 TB SSD in RAID0	2 x 1 TB SSD in RAID0
Free slots for other cards	3	3	6	6
Sample rate raw da / channel	20 MS/s	20 MS/s	20 MS/s	20 MS/s
Sample rate real time formulas / channel	4 MS/s	4 MS/s	4 MS/s	4 MS/s
Torque / speed inputs (max)	2 torque + 2 speed (8+8)	2 torque + 2 speed (8+8)	2 torque + 2 speed (12+12)	2 torque + 2 speed (12+12)
EtherCAT out/control option	✓	✓	✓	✓
CAN FD in/out/control option	✓	✓	✓	✓
XCP on Ethernet out/control	✓	✓	✓	✓
API out/control	✓	✓	✓	✓
RPC out/control	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)	✓ (to PC/Perception)
Master/Sync support	✓ SFP option needed	✓ SFP option needed	✓	✓
Standard Accessories	2 x 10 m Fiber optical cable 1 x M/n level converter Rack mount brackets	2 x 10 m Fiber optical cable 1 x M/n level converter Rack mount brackets	2 x 10 m Fiber optical cable 1 x M/n level converter	2 x 10 m Fiber optical cable 1 x M/n level converter
Computing power	High	High	Very High	Very High
# of results to be stored	500	500	1000	1000
# of cycle-based operations	500	500	1000	1000
to PC using 1 GB network	100 MB/s	100 MB/s	100 MB/s	100 MB/s
to PC 10 GB network option	400 MB/s	400 MB/s	400 MB/s	400 MB/s
to internal SSD	350 MB/s	350 MB/s	350 MB/s	350 MB/s
Acquisition card support	All "B" type cards, GN815/ GN816 cards, and up to 3 x GN3210 / GN3211 cards			