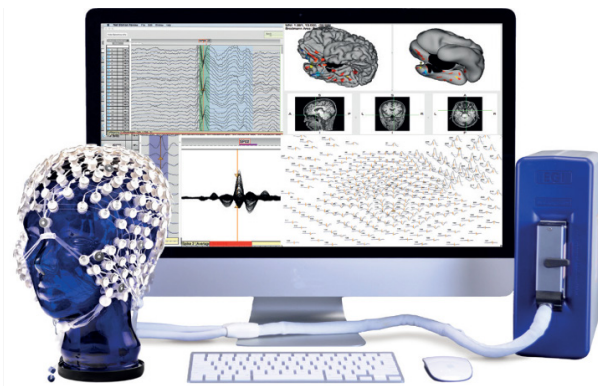




EGI

Feature Comparison of the GES 400 & GES 500 Amplifiers

GES 400 + iMac



GES 500 + Windows Computer



Feature	GES 400	GES 500
EEG Channel Options	32-64-128-256 EEG channels	32-64-128-256 EEG channels
Acquisition Views	Single chart view	Multiple Chart Views, Butterfly, Spectral, Configurable in multiple windows
MR-compatibility	3T MR Conditional Use via upgrade	Not currently able to be used in MRI environment
Net Station Version	Version 5.5	Version 6.0 (major new release)
Licensing Method	HASP, local license	Cloud License / User Account
Operating System	MacOS on iMac or MacBook Air	Windows on a custom Industrial PC
Input / Output Options	TCP/IP, TTL (DB-9 in only)	TCP/IP, TTL (DB-9 + BNC in/out)
Maximum Sampling Rate	1KHz	16 kHz (4kHz effective sampling)

Effective bandwidth	0-1KHz	0-4 kHz
Power	DC power supply connected through isolation transformer	8 hours battery, daisy chain for 24 hours of measurement, isolated mains power connection available
TMS Device Connection	Receive TMS pulse markers via Digital Inputs (DINs)	Bidirectional communication between Magstim TMS-EEG devices, both controllable in integrated Net Station 6 Software which includes signal attenuation for TMS artefact reduction
Closed Loop	Possible on computers via SDK. Use with LSL supported	Use with LSL supported, On-Amp SOM for lowest delay, Capable of AI, ML and Neural Network – under development
Sensor Net Connector	2 connector types (256 vs others) 	1 universal connector for all channel counts 32-256 channels, recessed contacts increased durability 
Physio (up to 2 per amp)	16 bipolar channels, powered by battery + SpO2 	8 bipolar channels, passive device + expanded SpO2 options connect directly to amplifier 
Input-Referred Noise	4 μ VPP	1 μ VPP
Programmable Gain for Physio Channels	1-12	1-24
External Components	Acquisition Computer, Isolation Transformer, External Power Supply, Switch, Physio, AV Device	Acquisition Computer, Isolation Transformer, Physio, Battery Charger
Internet / Cloud Access	Recommended to be offline	Designed to be securely online if needed
AV Testing (for stimulus synchronization)	Requires external AV Device	AV ports Integrated into Net Amps



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