

PORT-LOG EXTENSIONS MATRIX

	PORT-LOG CONNECT		PORT-LOG EXTENSIONS			
	STREAM	RELAY	ADVANCED WAVES	ACOUSTIC CURRENT PROFILER	ENHANCED BASE MAP	FORECASTING
Description	Connect Stream enables external devices or systems to access data on Port-Log using industry standard protocols.	Connect Relay extracts data from Port-Log and sends it to an external location at regular timed intervals.	A Port-Log extension which processes and displays spectral wave data, including directional data, as well as basic wave parameters.	A Port-Log extension which displays profiled datasets, including current speed and direction from Acoustic Doppler Profilers.	An upgrade to the standard Port-Log base map to a more detailed, appropriate or personalised dataset. Options include: Raster Charts XL and Marine Themes DEM.	A Port-Log Extension which allows you to bring together your real-time environmental data, tidal predictions AND marine wave and weather forecasts in one place.
Used for	Streaming data outside of Port-Log.net, so that it can be used in external systems and applications, and by third-party software.	Sending data to permitted third-parties outside of your organisation who wish to use, digest or embed your data.	Viewing, storing, displaying, analysing and disseminating wave data, including spectral and directional data.	Viewing, storing, displaying and disseminating all types of profile data including ADP data.	Enhancing the standard Port-Log base map for improved situation awareness and to add other datasets.	Viewing, storing, displaying and disseminating tidal predictions, wave and weather forecast data alongside your other environmental data.
Applications	Immediate and remote access to real-time and historic data for use in portable pilot units (PPUs), maritime safety, dredging, survey and surveillance systems.	Third-parties and external recipients. i.e weather forecast providers, dynamic under keel clearance.	Pilot boarding, berthing and maintenance operations, site and safety assessment, ocean forecasting, wave research, wave model calibration and validation.	Profile data display, analysis and reporting, site assessment and investigations.	Situation awareness, improved decision making, site assessment, asset tracking and management.	Vessel Traffic Services (VTS) and other port and marine operations. Maritime safety, weather and ocean forecasting, marine planning, renewables, marine pilotage.
Requires	Port-Log Hub, Port-Log Sensor(s), Dedicated Server.	Port-Log Hub, Port-Log Sensor(s). Relay is available on a shared server.	Port-Log Hub, Port-Log Sensor(s).	Port-Log Hub, Port-Log Sensor(s).	Port-Log Hub, Port-Log Sensor(s), Dedicated Server.	Port-Log Hub, Port-Log Sensor(s), Forecast Provider (such as Windy or StormGeo etc).
						