



Thunderstone Parametric Search Appliance

The Thunderstone® Parametric Search Appliance makes it easier than ever to create applications that combine structured queries with advanced full-text retrieval without programming.

Building on the proven strengths of Thunderstone's Taxis, the Thunderstone Parametric Search Appliance enables full-text, keyword searches combined with a parametric search on up to 50 data fields.

It represents the next generation of Thunderstone search products powered by Thunderstone Taxis, a fully integrated SQL RDBMS optimized for full-text search. The Thunderstone Parametric Search Appliance brings an unprecedented combination of flexibility, speed and power to an easy-to-use Appliance.

Parametric or attribute-enhanced search helps users narrow down their search to increase the relevance of their results. It also provides context to keyword search results and allows a user or administrator to sort results in the most meaningful way.

Attribute-Enhanced Search

For example, the parameters (defined attributes) of "author" and "publication date" would help you narrow the search if you are searching for information on a particular subject but you are only interested in results written by a specific author and published within a certain timeframe. Keyword, full-text search alone does not offer this opportunity.

Flexibility

The Thunderstone Parametric Search Appliance can index and make searchable large quantities of full-text data with defined attributes (e.g. "price", "manufacturer", "publication date", "location", etc.) as well as targeted application database content, web content, file server-based content, and other enterprise-based content in a variety of popular formats.

It delivers more of the power of Thunderstone Taxis on a quickly deployed and easily maintained Appliance platform. Now organizations can have the application they want for less time and effort than they believed possible.

SQL plus Full-Text Search

Supporting full-text keyword searches combined with a user-selected "filter" on up to 50 data fields, the Thunderstone Parametric Search Appliance allows complex queries utilizing standard SQL commands while also taking advantage of capabilities such as fuzzy logic, concept-based full-text searching and "bounded box" geographic searching.

Sorting and Grouping

Administrators and searchers can optimize 'findability' by specifying how they want the Thunderstone Parametric Search Appliance to sort and/or group its query results. Results can be sorted and grouped by any defined attributes in the data, and any of the available fields can be used to provide navigation links enabling the searcher to browse the results.

Ease of Integration

The DataLoad API allows you to load data from any source. Connectors are available for many common enterprise data sources. In addition, the Appliance can directly access existing databases.

Built-in, advanced extraction tools can extract data from web pages or files that already exist.

Using an XSL stylesheet to customize the user interface provides complete control over the result format, or integrate with your portal using XML.

Unparalleled Capabilities

The Thunderstone Parametric Search Appliance brings greater Taxis-driven functionality than any other Appliance product on the market.

It provides extreme robustness and scalability, coupled with server hardware customized for high performance. The enterprise search industry has never seen this level of capabilities offered in a plug-and-play environment.

Data Security

The Thunderstone Parametric Search Appliance supports a variety of security protocols. Users will only see results for documents they can open.

Thunderstone Parametric Search Appliance Specifications

Capacities

Queries (sustained peak)	1,000/minute
Number of records, documents or web pages	250K, 500K, 1M, 2M, 5M, 10M, larger sizes custom config.
Number of collections	Unlimited
Number of web sites	Unlimited

Parameters

Supported Data Types	Date Integer Number Text Position (lat/lon)
Operators	Search: < > = IN Text search Geographic region Grouping Sorting
Maximum number of parameters	50

Physical

Form factor	2U rack mount
Power Supply	Redundant 450W
Cooling Requirement	1500 BTU

Warranty

With two-year warranty, support and upgrades included, and an optional maintenance program thereafter, Thunderstone ensures your peace of mind. In the rare event of a hardware failure, a replacement machine is cross-shipped. Two or more Appliances can be set up in a mirrored configuration for redundancy.

Thunderstone

Thunderstone Software LLC is a pioneer of search engine technology, providing text retrieval products to industry, government, NGOs and educational institutions since 1981.

Thunderstone distinguishes itself through:

- **Performance.** Since our software's beginnings on mainframes and early PCs, extremely robust performance has always been essential to Thunderstone's success as an enterprise search provider. With unprecedented growth in the volume of information and skyrocketing data-center energy costs, optimizing server performance remains very important.

- **Flexibility.** Whether you need the unparalleled power and customizability of Thunderstone Taxis or Webinator, or if you want the plug-and-play advantages of the Thunderstone Search Appliance or the Thunderstone Parametric Search Appliance—Thunderstone offers you the ultimate flexibility to implement a search solution that best fits your specific circumstances and goals.

- **Support.** From the early 1980s to today, Thunderstone has been solving some of the world's most challenging information retrieval problems. Put that experience to work for you on prototyping and customization projects. Stay in touch with real software engineers by phone, email and/or message board. Thunderstone proudly supports its customers in a manner worthy of its products.