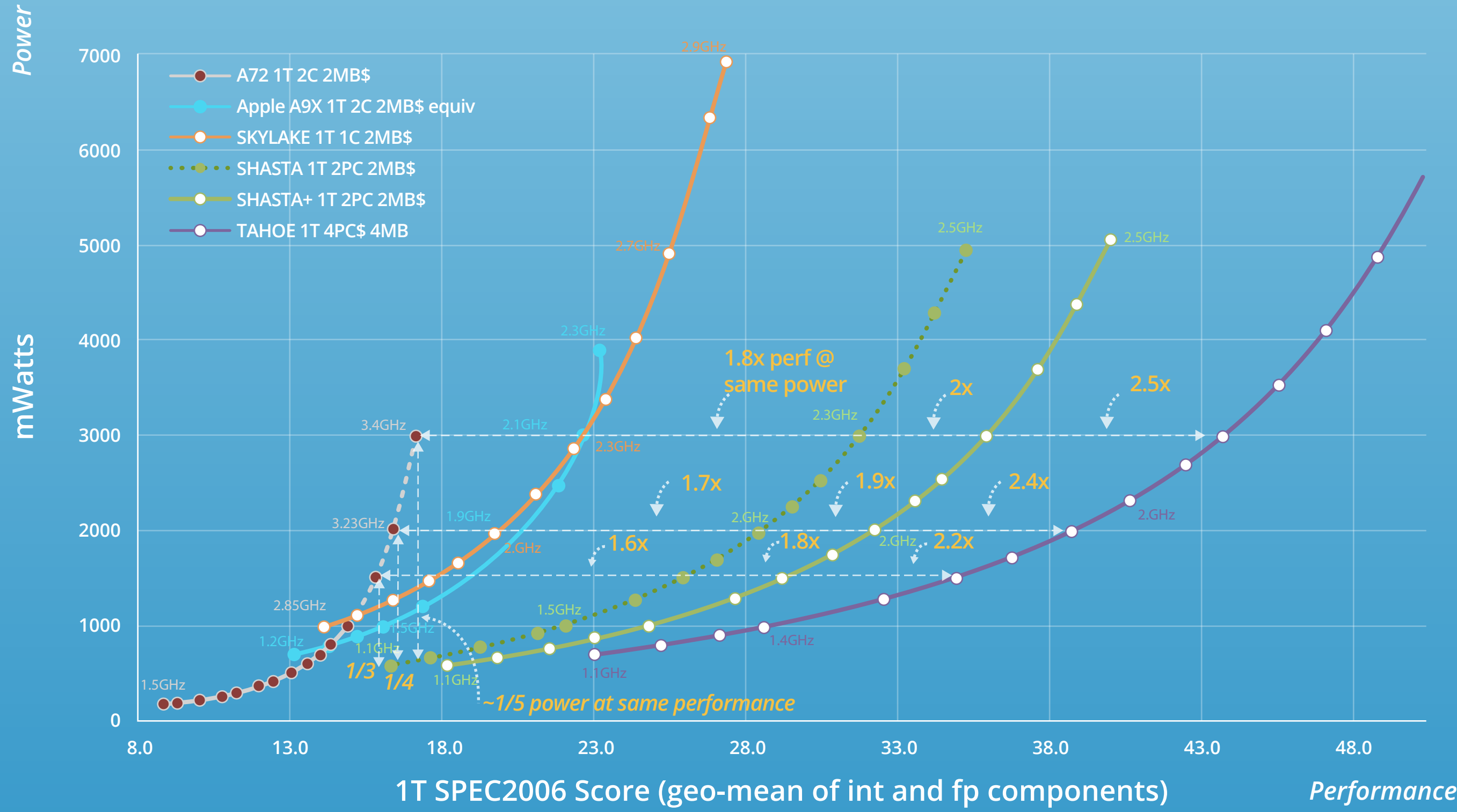


Performance Awakens

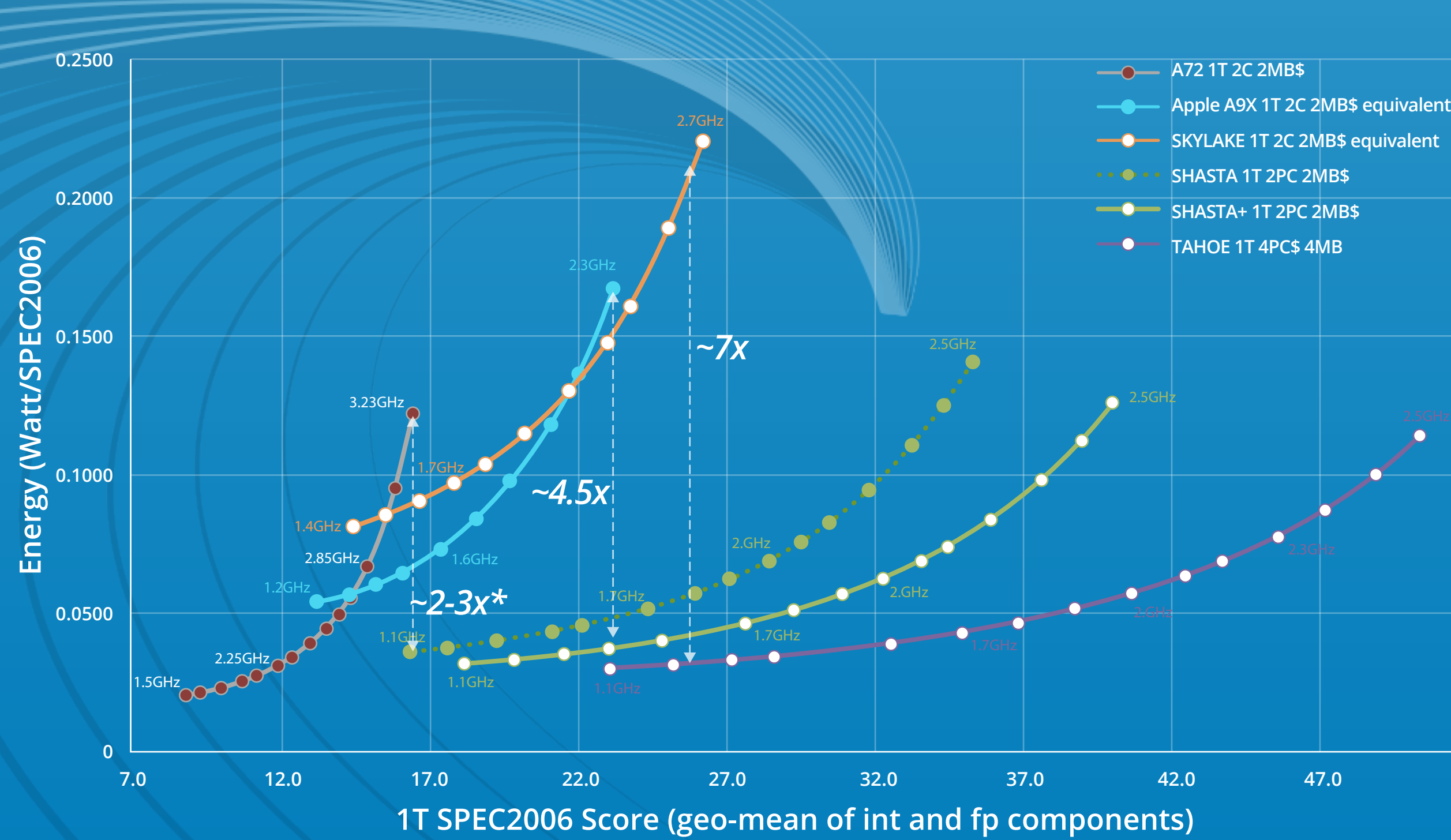
Imagining New Clients & Servers with Unbound Capability

The evolution of computing is driven by improving the performance of computer processors and interfaces. Soft Machines™ has invented a new way to improve performance scaling with the introduction of the VISC™ architecture. With VISC, a single software thread/task runs on multiple cores. Each operating system thread sees one “virtual core” that is composed of multiple physical cores.

VISC™ Single Thread SPEC2006/Watt (16nm)



VISC™ ST Energy (SPEC2006)



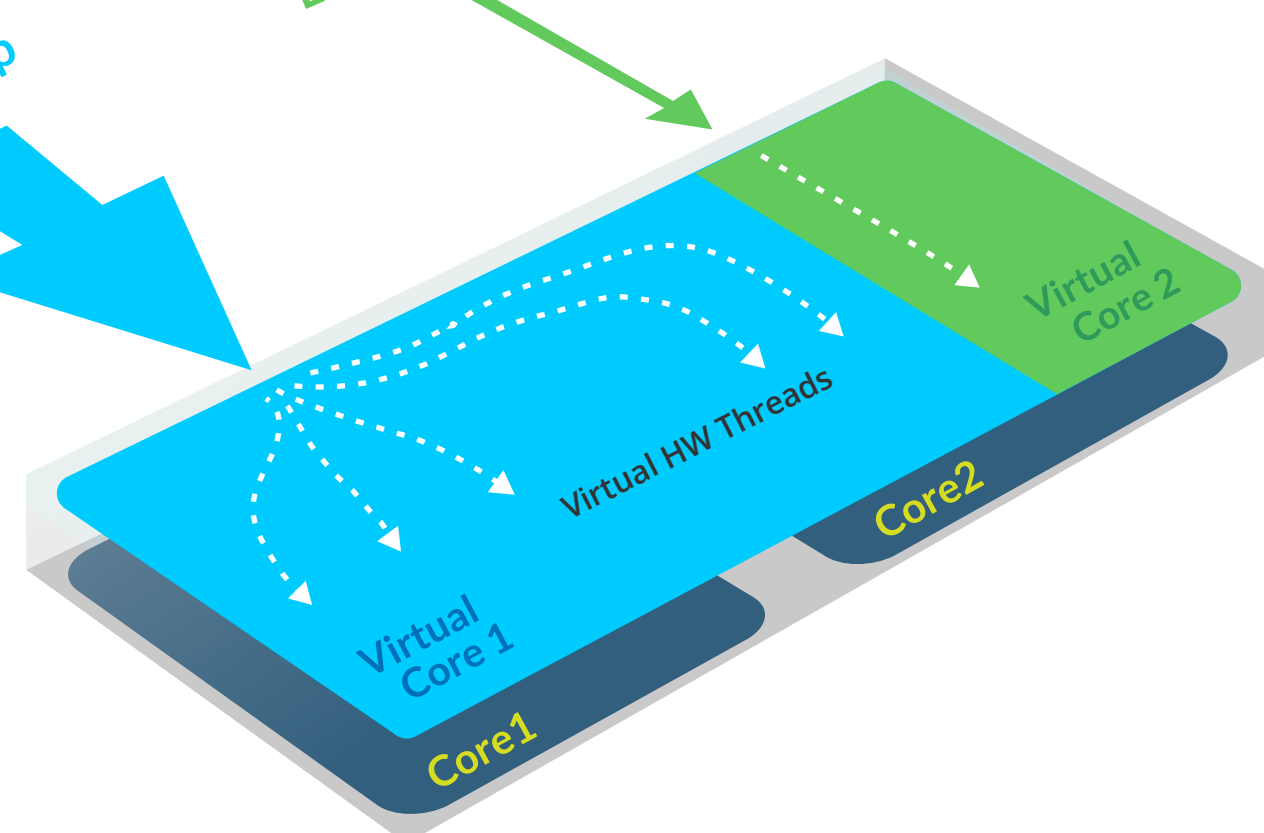
VISC processors allocate compute resources dynamically across the physical cores “under the hood.” The hardware automatically breaks each software thread into multiple hardware threadlets, which are then managed by a virtual core.

VISC will bring server performance levels to mobile devices. It can enable entirely new kinds of computing devices. It can power extremely small, affordable computing devices, improving connectivity and collaboration for emerging markets. VISC completes this era of computing by reconciling the need for single-threaded performance with the trend toward multicore processor design.

Dual SW Threads

Heavy App

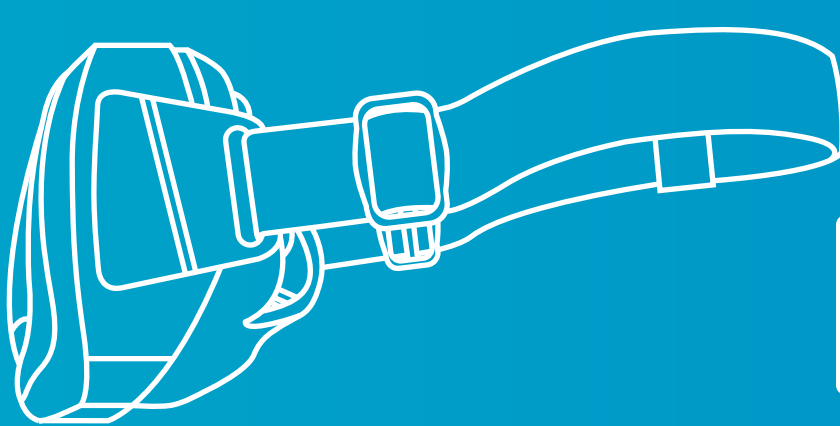
Light App



VISC™ Powers Future Clients



Tablets with Server Performance

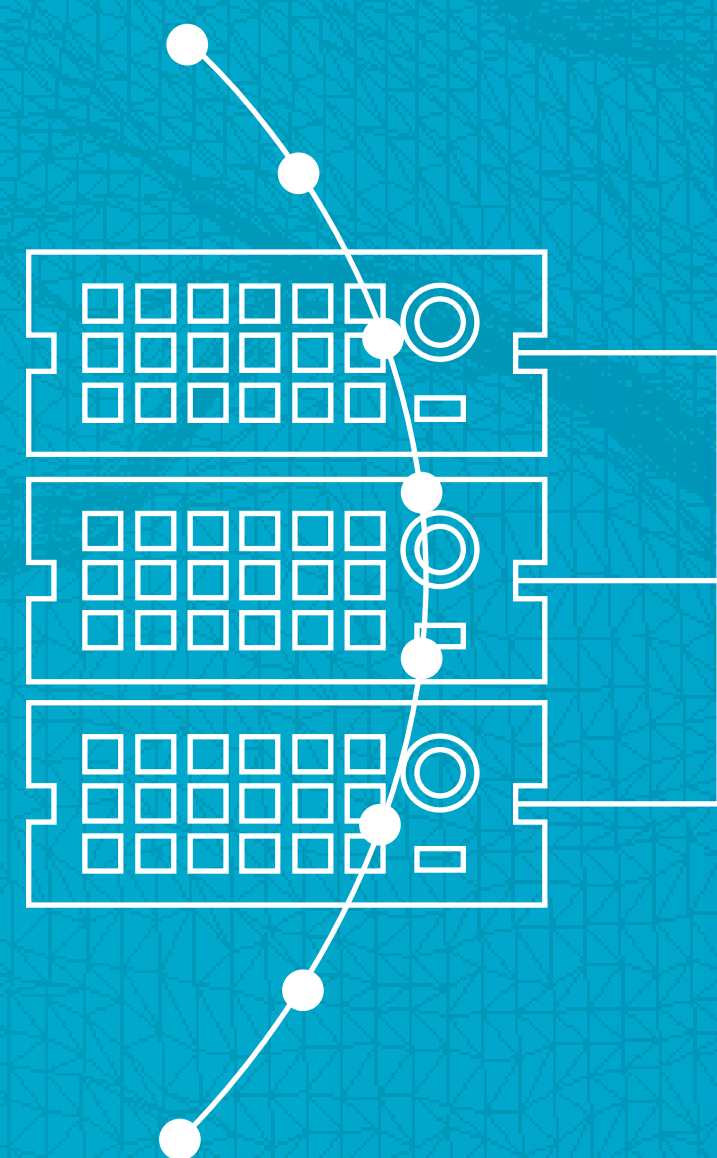


Mobile AR/VR

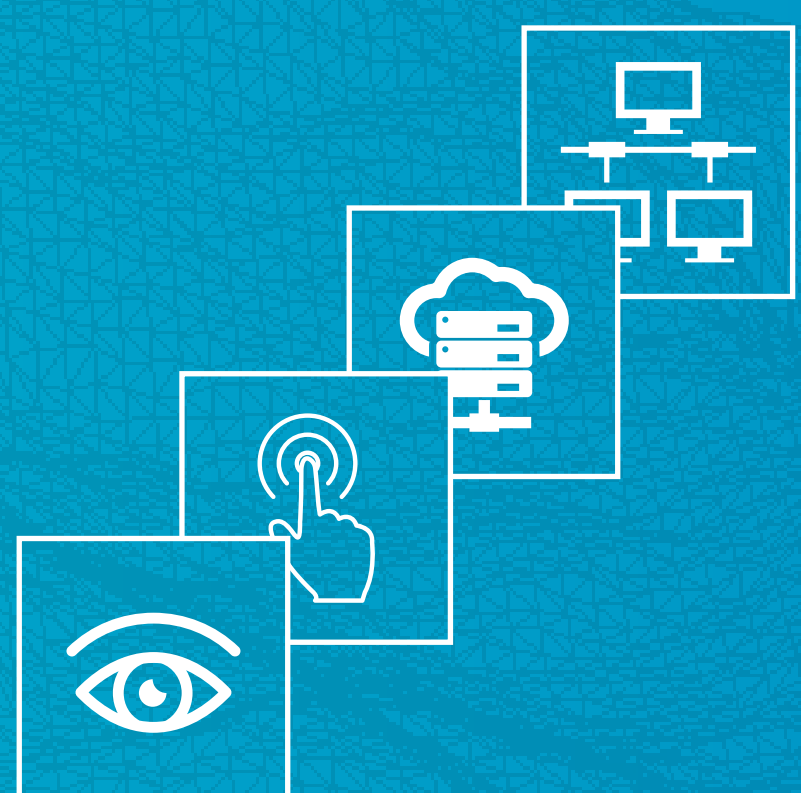


Desk-Top Class Smartphones

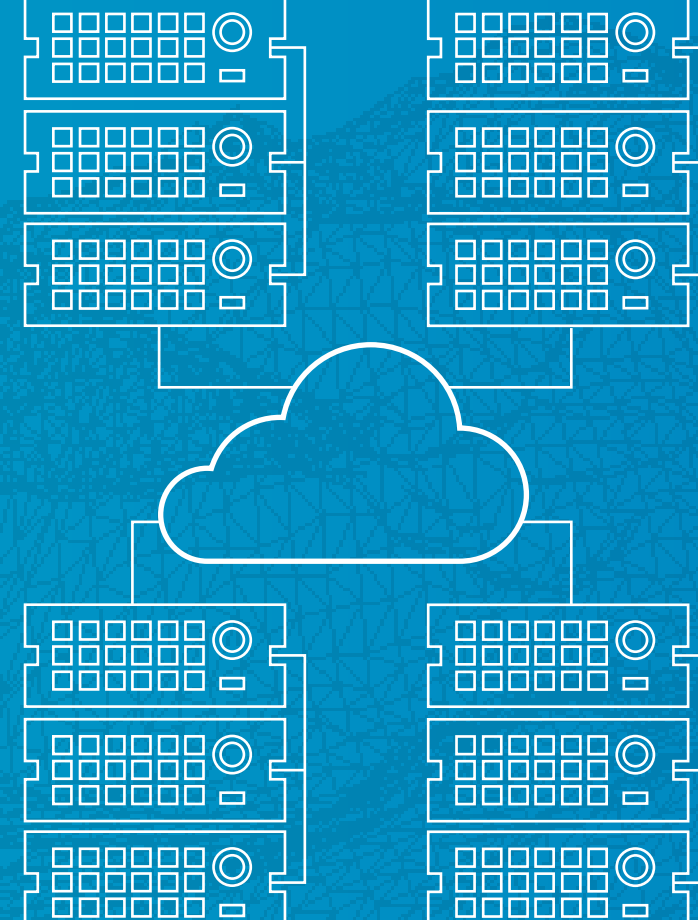
VISC™ Powers Future Servers



Enterprise Servers / Network Virtualization



Visual Compute Servers



Cloud Servers

VISC™ delivers

2-4x performance/watt advantage due to its fundamental breakthrough of using dynamic resource scaling

Shasta processor delivers

One to Two Virtual Cores/Dual Physical Cores

Up to a 4X scaled energy advantage

160-180% performance advantage at the same power

Tahoe processor delivers

One to Eight Virtual Cores/Quad Physical Cores

Up to a 7x scaled energy advantage

220-250% performance advantage at the same power

Note: Metrics above indicate performance and power levels when running a single instance SPEC2006

Soft Machines' new processors will power the client and server systems of the future.