IP and SOC Panel

SiFive: Leading the Open Hardware Revolution

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SiFive: The “Red Hat” of Open Hardware

SiFive Benefits

| RISC-V | Inventors of the RISC-V ISA  
Leaders in commercial RISC-V Core IP |
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<tbody>
<tr>
<td>Chips and applications</td>
<td>Enablement and Support for building RISC-V SoCs and applications</td>
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<tr>
<td>Customization</td>
<td>Have it Your Way: Configure/Customize your IP</td>
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Testimonials

“RISC-V opens up processor design. Open source has comprehensively changed the world of software. RISC-V wants to do the same for processors”
– Rupert Goodwins | ZDnet

“SiFive’s RISC-V Core IP was 1/3 the power and 1/3 the area of competing solutions, and gave FADU the flexibility we needed in optimizing our architecture to achieve these groundbreaking products”
– Jihyo Lee | FADU

All RISC-V core products are delivered via web-based GUI SiFive Core Designer

Customers can choose preset Standard Core options or create and save their own configurations

The release candidates are generated with a single click and available in 24 hours after verification

Visit sifive.com  
Contact sunil@sifive.com
### “Hardware stack”

<table>
<thead>
<tr>
<th>Software stack</th>
<th>“Hardware stack”</th>
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<tbody>
<tr>
<td>Customer IP (Application)</td>
<td>Customer IP (Chip)</td>
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<tr>
<td>API Framework</td>
<td>Core/Block/Chip Configurators/Generators</td>
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<tr>
<td>Libraries</td>
<td>Chip Templates</td>
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<td>Hardware Abstraction Layer</td>
<td>Chisel / Prometheus</td>
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<td>OS Kernel</td>
<td>EDA Tools</td>
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<tr>
<td>Hardware</td>
<td>Hardware</td>
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<td>Foundry / OSAT</td>
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Innovators focus on high-level work.

Source: Google Developers
DesignShare Enables Rapid Scaling of IP Pool Needed to Build Templates

IP Easily Integratable

DesignShare Partners provide their IP for SiFive Freedom Platform at zero cost

Benefit to DesignShare Partners
- Increase number of design starts
- IP Protection
- SiFive collects NRE/Royalties in production

Benefits to Customers
- Reduces expertise needed
- Single contract/NDA

20+ more in pipeline