

How Do Gen 3 Serial Consoles Stack Up?

Gen 1 & 2 serial consoles can't meet modern demands for availability, security, and overall resilience. Organizations need to replace these devices due to a lack of software upgrades, support, and security patching. The solution is the **Gen 3 serial console**.

ZPE Systems has the only drop-in Gen 3 out-of-band solution that offers more complete remote access and troubleshooting than current generation devices, but with many additional capabilities to satisfy sustainability initiatives, reduce e-waste, and lower operational costs.



	Gen 1 & 2 Issues	Gen 3 Advantages
Connectivity	<ul style="list-style-type: none"> External modem Not certified for 5G Buggy software, modem is not active when it's needed 	<ul style="list-style-type: none"> Dual-embedded 4G LTE & 5G modem Factory installed Global SIM MPLS, VDSL, even analog modem Built-in ethernet switch with 10G SFP ports Routing stack with BGP Tunneling with IPsec & WireGuard WiFi option Cell tower synchronization
Management & Automation	<ul style="list-style-type: none"> No Cloud SaaS option Limited/Difficulty Scale Zero touch provisioning limited by paywalls 	<ul style="list-style-type: none"> Cloud SaaS option and superclustering True zero touch provisioning Embedded Automation tooling, like Ansible, Git, & Python
Security	<ul style="list-style-type: none"> Old Linux Kernel Exposed to vulnerabilities and exploits (CVEs) 	<ul style="list-style-type: none"> Latest Linux Kernel Common Vulnerabilities and Exposures (CVE) patched in 72 hours or less for critical; otherwise every 2 weeks PSIRT program 3rd-party testing Software LifeCycle Management Geofencing SAML SSO (Okta, Duo, Ping ID, ADFS)

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3rd-Party Certs & Validations	<ul style="list-style-type: none"> None 	<ul style="list-style-type: none"> FIPS 140-3 (In Process) Synopsys Whitehat Synopsys Blackduck Synopsys Coverity SoC2 - Type 1
Sustainability & Green Initiatives	<ul style="list-style-type: none"> Many single-purpose boxes HA requires 2x cost, 2x power, etc. 	<ul style="list-style-type: none"> Platform 6-to-1 device reduction Power savings Ends premature HW upgrades
Resilience	<ul style="list-style-type: none"> Redundant power supplies only 	<ul style="list-style-type: none"> Redundant power, data, & connectivity options HA deployments Immutable concept & wipe-and-play with ZTP
Platform	<ul style="list-style-type: none"> ARM CPU, low performance, limited/no VM support Limited port count and operating temperatures 	<ul style="list-style-type: none"> High performance Intel CPU & DRAM Platform for: Serial console, Router, LTE, jumpbox, 3rd party VM's, automation Modular, high density & branch hardware Deep buffer serial ports Ruggedized & extended-temperature options 96 ports in 1U

Serial Console Trade-in Program



Get money back on the Only Drop-In Gen 3 Solution...

To help with your upgrade, ZPE Systems is now offering **money back when you switch to Gen 3. Call to see how much you can save.**

Why trade?

- Get a discount for your old gear
- Improve uptime and cut workloads with Gen 3 Out-of-Band remote access and automation
- Bonus: Get access to ZPE Cloud for intuitive, browser-based global fleet management

[Start your trade-in Today](#)

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