



**INTRODUCTION OF ALTERNATE AMPERE PCIE  
PRODUCTS WITHOUT CEC**



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To Ensure Continuity of Supply

- **What is happening?** NVIDIA is introducing alternate CEC defeatured product variants of **A100 80GB PCIE, A40, A30, A16, A10, and A2**. Each of these products will be offered with and without CEC (differentiated by part number).
- **Why is this happening?** NVIDIA is faced with a severe supply shortage of CEC1712 chips and tries to ensure continuity of supply by also offering CEC defeatured products.
- **What is CEC?** CEC is an external Root of Trust chip which enables select security features beyond the capabilities provided by the primary Root of Trust embedded in the GPU.
- **What is the customer impact?** NVIDIA uses a multi-layered security model and hence the protection offered by the primary Root of Trust embedded in the GPU is expected to be sufficient for most customers. The CEC defeatured products still offer Secure Boot, Secure Firmware Update, Firmware Rollback Protection, and In-Band Firmware Update Disable. However, they will not offer the following recently added/new extended capabilities:
  - Firmware Attestation
  - Key Revocation
  - Out-of-Band Firmware Update
- **Which customers should care?** Customers operating in special regulatory requirements and customers with higher security standards who are actively using the three defeatured capabilities should review the impact of CEC defeaturing for their deployments.
- **What are the customer options?**
  - (1) Use CEC defeatured GPU boards for **best GPU lead times and supply**
  - (2) If (1) is absolutely not possible due to special requirements, please contact your NVIDIA Account Manager
- **Where can customers learn more?** Customer should reach out to their NVIDIA Account Manager or Customer Program Manager for additional information and discuss any unique circumstances.



