

SAKSHAM-3000

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SAKSHAM-3000 Latest News

Recently, in a significant push towards self-reliance and global competitiveness, the Minister of State for Communications and Rural Development launched the high capacity SAKSHAM-3000.

About SAKSHAM-3000

- It is a **high-capacity**, compact 25.6 Tbps switch-router tailored for **modern data centres**.
- It is a state-of-the-art data centre switch-cum-router designed for next-generation digital infrastructure **developed by Development of Telematics (C-DOT)**.
- The platform aims to address the **evolving needs of large enterprises**, telecom operators, and hyperscale data centres.

Features of SAKSHAM-3000

- It was built to power large-scale computing clusters, cloud infrastructure, 5G/6G networks and AI workloads, the device supports 32 ports of 400G and a flexible **range of Ethernet speeds ranging from 1G to 400G**.

- Its ultra-low latency, wire-speed processing, and modular CROS (C-DOT Router Operating System) operating system position it as a versatile solution for roles ranging from leaf to super-spine nodes in a CLOS network.
- It is a “**future-ready platform**” for both legacy and **cloud-native networks**, supporting Layer-2, IP, and MPLS protocols, while being energy-efficient and equipped for time-sensitive applications via PTP and Sync-E.
- It consists with flexible licensing, high reliability through hot-swappable power and fan units, and advanced QoS features like WRR (Weighted Round Robin) and WRED.

Source: PIB

Source: <https://vajiramandravi.com/current-affairs/saksham-3000/>

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