

# Refurbished CISCO CBR-SUP-8X10G-PIC Datasheet

CISCO > VIDEO

## Cisco cBR Series Converged Broadband Routers

| Product Features and Benefits                                                           |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carrier Class System                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Delivers 99.999% availability</b>                                                    | Provide system and business continuity                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Integrated N+1 RF Switch</b>                                                         | Supports cost effective and efficient N+1                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cisco IOS XE Software subsystem process restart and independent patching ability</b> | Software components with flaws can be fixed by installing a newer, patched version and restarting a process without impacting other components.                                                                                                                                                                                                                                                          |
| <b>Industry-leading software quality and resiliency</b>                                 | Process restartability helps enable zero packet loss failure recovery in many cases. Software modularity allows for fault containment and memory protection.                                                                                                                                                                                                                                             |
| Unprecedented and Scalable Capacity and Throughput                                      |                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>13 RU and 10-slot chassis (8 subscriber side slots, 2 supervisor slots)</b>          | Industry's most compact and densest CCAP                                                                                                                                                                                                                                                                                                                                                                 |
| <b>64 service groups (56 SG with N+1)</b>                                               | 8DS ports X 16 US ports make sure that service group capacity is preserved regardless of 1:1 or 1:2 DS:US SG ratio                                                                                                                                                                                                                                                                                       |
| <b>Up to 256 service groups with Remote PHY</b>                                         | Unprecedented SG scalability with Remote PHY                                                                                                                                                                                                                                                                                                                                                             |
| <b>1+ terabit backplane</b>                                                             | A fully integrated and scalable platform easily allows higher bandwidth new services deployment                                                                                                                                                                                                                                                                                                          |
| <b>DS capacity</b>                                                                      | 768 unique D3.0 QAM per line card (6144 per chassis)<br>Plus<br>2 orthogonal frequency-division multiplexing (OFDM) blocks (192MHz each) per port (16 per line card) - future capability<br>Almost 4 Gbps per DS port                                                                                                                                                                                    |
| <b>US capacity</b>                                                                      | 96 US channels per line card (768 per chassis)<br>Plus<br>2 OFDMA blocks (96MHz each) per port (32 per line card) - future capability                                                                                                                                                                                                                                                                    |
| <b>Up to 200Gbps forwarding</b>                                                         | Performance with service intelligence                                                                                                                                                                                                                                                                                                                                                                    |
| Investment Protection                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>A platform designed to evolve with your network</b>                                  | Modular design allows for easy upgradability to fully deployable D3.1.<br>Modularity supports easy transition to Remote PHY architectures with minimal investments.<br>Midplane design supports analog and digital fiber connectivity options<br>Flexible platform architecture allows for implementing other access technologies (e.g., DOCSIS Provisioning of Ethernet Passive Optical Network [DPoE]) |
| SDN and Automation Ready                                                                |                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SDN Orchestration</b>                                                                | Seamlessly manage your network with Cisco SDN orchestration solutions                                                                                                                                                                                                                                                                                                                                    |
| <b>SDN operational simplicity</b>                                                       | Provision and manage various network components via standards-based SDN programmatic interfaces                                                                                                                                                                                                                                                                                                          |
| <b>SDN application suite</b>                                                            | Allow value added applications via SDN                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Virtual cBR</b>                                                                      | Support Hub consolidation and software based CCAP solutions for the data center.                                                                                                                                                                                                                                                                                                                         |

## The next steps...

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