Open. Together.
CIG CS6436-56P OCP Switch

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Cambridge Industries USA, Inc.
- Company founded in 2005 with core competences in innovative R&D and advanced manufacturing
- Product house for datacenter, enterprise and telecom: Optical, Switch, Broadband, Wireless, IoT, ...
- For more information: www.cigtech.com
Cambridge Industries is contributing a Nephos Taurus based 1RU 2.4Tbps Data Center Switch design (48 25GE SFP28 + 8 100GE QSFP28)
**CS6436-56P Data Center Switch**

- **Nephos Taurus device**
  - 2.4Tbps performance
  - Programmable packet processing
  - 24MB packet buffer
  - Low cut-through latency
  - DoS protection

- **COM-E CPU module**
  - Option1
    - Intel Atom processor x5-E3940, 4 cores, 1.8GHz
    - 8GB DDR3L SODIMM with ECC
    - 64GB eMMC5.0 Flash
  - Option2
    - Intel Denverton C3758, 8 cores, 2.2GHz
    - Integrated QuickAssist Technology
    - 32GB DDR4 SODIMM with ECC

- 48 25GE SFP28 + 8 100GE QSFP28

- Front panel management and debug Ifs
  - 10/10/1000 RJ45 GE management
  - Console
  - Type A USB2.0

- AST2520 BMC support
CS6436-56P Overview
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48 x 25GE SFP28

System LED
Management, Console, USB
8 x 100GE QSFP28

Front

Rear

550W PSU1
FAN#5
FAN#4
FAN#3
FAN#2
FAN#1
550W PSU0
Contribution Summary

- Hardware Design Spec
- Software Support
  - ONIE [link to GitHub]
  - Open Network Linux
  - SONIC