

# Decoding Industrial Equipment Models: S51100-16S & S51150-16S Technical Insights

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### Understanding Industrial Model Nomenclature

Industrial equipment models like S51100-16S and S51150-16S follow specific coding conventions that reveal their technical specifications. The alphanumeric sequence typically indicates:

- Series identification (S51xxx)
- Performance tier (100 vs 150)
- Port configuration (16S likely indicates 16 SFP/SFP+ ports)

### Comparative Analysis with Similar Models

#### H3C S5150X-16S-EI Reference Architecture

While not direct equivalents, the H3C S5150X-16S-EI (240Mpps forwarding rate) demonstrates common features in this class:

- Dual-stack IPv4/IPv6 support
- MACsec hardware encryption
- Energy-efficient Ethernet (IEEE 802.3az)

### Performance Benchmarking

- Model
- Forwarding Capacity
- Latency
- Power Consumption

S51100-16S  
~200Mpps (estimated)

Web: <https://www.sphoryzont.edu.pl>