

# Nokia 1AB474800001 Datasheet



Nokia ALC3-1AB474800001 CFP2-ACO 100G DP-QPSK / 200G DP-16QAM WOTRC6HTAA

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The Nokia CFP2-ACO 100G/200G pluggable transceiver is a hot-pluggable CFP2 MSA-compatible module designed for 4x32Gbaud (128 Gbps) coherent point-to-point and metro applications. An IEEE802.3 Clause 45 compliant 1.2 V LVCMOS MDIO interface is used for control, alarms, monitors, and diagnostics. The module mechanical outline is the standard CFP2 MSA size (106 mm x 41.5 mm x 12.4 mm). Electrical interfaces are provided through the 104-pin CFP2 MSA-compliant connector, with 4x32 Gbps analog electrical interface and optical interfaces through two LC optical receptacle connectors.

## Features

- Supports 111.8 – 128.7 Gbps PM-QPSK transmission or 16QAM for 256 Gbps with linear drive
- 0 dBm per channel typical optical output power (higher power variants also available)
- Wide dynamic Rx input power range -18 dBm to 0 dBm
- CFP MSA MDIO IEEE802.3 compatible
- Single 3.3 V supply
- Power consumption 12 W

## Applications

- Dispersion/PMD limited point-to-point metro

- OSNR limited multi-haul regional/long haul

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