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Data Sheet

August 13, 2026

INFINERA

Infinera DCM1H-100N-A 130-0008-001

The Infinera DCM1H-100N-A is a dispersion compensation module designed to compensate for chromatic dispersion in optical fiber communication systems. MPN: 130-0008-001.



MODEL

Infinera DCM1H-100N-A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DCM1H-100N-A / 130-0008-001

LISTING

<https://aumictechlabs.com/products/dcm1h-100n-a-130-0008-001-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Infinera DCM1H-100N-A (MPN: 130-0008-001) is a half-width dispersion compensation module engineered to counteract chromatic dispersion in long-haul optical fiber communication systems. Delivering -100 ps/nm of negative dispersion, this module integrates into Infinera DTN and DTN-X platforms to restore signal integrity across C-band transmission windows. The module operates as a 1U-height component compatible with DMC1 chassis installations. Technical Specifications Part Number: 130-0008-001 Dispersion Compensation: -100 ps/nm Operating Band: C-band Module Form Factor: Half-width, 1U height Designed Fiber Type: G.652 HECl Code: WMDFZABFAA Key Features Half-width module footprint for efficient chassis utilization Tuned for negative dispersion compensation in standard single-mode fiber installations Direct compatibility with established Infinera DTN ecosystem platforms Optical module interface standard for terminal or inline deployment Typical Applications Dispersion compensation modules are deployed at strategic points within optical networks. Common placements include pre-booster amplifier positions at terminal nodes or post-preamplifier locations, where chromatic dispersion

accumulation requires correction. The DCM1H-100N-A supports these standard network topologies within C-band transmission systems.

Compatibility & Integration The module integrates directly with Infinera DTN and DTN-X platforms via DMC1 chassis integration. G.652 fiber represents the primary design target. Alternative fiber types require consultation with Infinera technical support to verify performance and operational parameters.

Features & description

From manufacturer datasheet

Features

- Model: DCM1H-100N-A • OEM assembly / part: 130-0008-001 • Dispersion: Neg DCM1 (–100 ps/nm)
 - Form: half-width (1H) DCM module • Platform: Infinera DTN • Passive optical dispersion compensation hardware
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Applications

- Chromatic dispersion compensation in Infinera DTN networks • DWDM long-haul / metro optical transport equalization • Replacement / spare for Neg DCM1 (–100 ps/nm) half-width modules • Optical line system maintenance and capacity restores

DCM1H100NA Characteristics / Specifications

PARAMETER	VALUE
Model	DCM1H-100N-A
Manufacturer	Infinera
OEM Part Number	130-0008-001
Alternate Identifier	WMDFZABFAA (reseller listing)
Instrument Type	Dispersion Compensation Module (DCM)
Dispersion Value	−100 ps/nm
Dispersion Class Name	Neg DCM1
Module Width Class	Half-width (1H)
System / Platform	Infinera DTN
Function	Fixed chromatic dispersion compensation
Signal Path	Passive optical
Compensation Sign	Negative (Neg)
Nominal Designation	DCM1 (−100 ps/nm)
Product Family	DCM1H series
Use Case	Optical transport span dispersion management
Listing Configuration	DCM1H-100N-A / 130-0008-001
Form Factor Note	Half-width plug-in module for compatible Infinera shelves Notes Public OEM numeric tables beyond dispersion value and form factor are limited for this FRU. Specs from Infinera reseller OEM descriptions (Neg DCM1 −100 ps/nm, 130-0008-001, DTN). Confirm fiber type, insertion loss, and connectorization on the physical module label.
OEM assembly / part	130-0008-001
Dispersion	Neg DCM1 (−100 ps/nm)
Form	half-width (1H) DCM module
Platform	Infinera DTN

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	DCM1H-100N-A
Manufacturer	Infinera
OEM Part Number	130-0008-001
Alternate Identifier	WMDFZABFAA (reseller listing)
Instrument Type	Dispersion Compensation Module (DCM)
Dispersion Value	-100 ps/nm
Dispersion Class Name	Neg DCM1
Module Width Class	Half-width (1H)
System / Platform	Infinera DTN
Function	Fixed chromatic dispersion compensation
Signal Path	Passive optical
Compensation Sign	Negative (Neg)
Nominal Designation	DCM1 (-100 ps/nm)
Product Family	DCM1H series
Use Case	Optical transport span dispersion management
Listing Configuration	DCM1H-100N-A / 130-0008-001
Form Factor Note	Half-width plug-in module for compatible Infinera shelves
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Public OEM numeric tables beyond dispersion value and form factor are limited for this FRU. Specs from Infinera reseller OEM descriptions (Neg DCM1 -100 ps/nm, 130-0008-001, DTN). Confirm fiber type, insertion loss, and connectorization on the physical module label.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.