

Brochure

VIAVI

MAP-220C LightDirect Chassis

Solve Your Optical Test Needs with a Compact, 2-Slot Mainframe

The compact, 2U, two-slot MAP-220C LightDirect™ Chassis mainframe is designed for general fiber-optic lab use and smaller optical-manufacturer test-station deployments. It is as efficient and cost-effective as fixed-format versions, yet it maintains flexibility and modularity so you can build the application you need when you need it.



Benchtop (MAP-220C-A), rack-mount (MAP-220CX-A), and reversed rack-mount chassis (MAP-220CXR-A)

For larger, more complex deployments, VIAVI Solutions™ recommends the MAP-230B (three-slot) and MAP-280 (eight-slot) chassis systems. These chassis support all released MAP-200 modules.

Key Features and Benefits

- Compact, two-slot benchtop configuration
- Converts to rack mount — 2 RU high, one-half of a 19 in side-by-side format
- LXI-compliant interface with optional GPIB
- Local capacitive touch screen
- Field replaceable controller/power-supply module
- Compatible with a wide range of MAP-200 optical test modules




The MAP-200 LightDirect Module Family

MAP-220C models host specific subsets of the broader MAP-200 module family that includes light sources, power meters, switches, and attenuators. These basic foundational modules serve as the key building blocks for most test applications. MAP-220C users can leverage these modules in a compact, benchtop format with a simple, intuitive graphical touch screen.

Light Sources



Light sources (mSRC-C1, mTLG-C1)

The 50 GHz tunable mTLG-C1 distributed feedback (DFB) laser is available in either C or L band, while the mSRC-C1 is a general-purpose light source in these key fixed telecom wavelength bands: 850, 1300, 1310, 1490, 1550, 1625 nm. These sources typically test system load or continuity, measure insertion loss, and test station calibration.

Power Meters



Optical power meters (mOPM-C1)

The mOPM-C1 optical power meters are available for all applications with one, two, or four power heads per module with four unique performance ranges. Models supporting +27 dBm input power complement versions with 110 dBm dynamic range.

Optical Switches



Optical switches (mOSW-C1)

The mOSW-C1 is the industry's gold standard for loss and repeatability. With over 80 variations available, there is a configuration ideally suited to all applications. Switches range from 1x2, 2x2, and 1x4 to 1x64 with options for internal power monitoring, direction monitoring, and power trim.

Attenuators



Variable optical attenuators (mVOA-C1)

The industry specification leader mVOA variable optical attenuator family has been enabling single-level control for receiver and amplifier testing for over 20 years. Available with one, two, or four variable optical attenuators (VOA) per module, with or without an internal power meter, the mVOA-C1 is also the industry's most compact modular solution.

