



# OPTI-6100 LMX Chassis

## OPTI-6100 Multi-Service Provisioning Platform

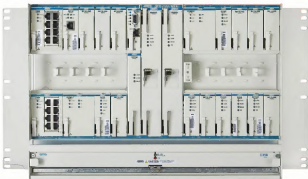
### Features and Benefits

- 19-inch or 23-inch rack-mountable
- Delivers up to 336 DS1 or 48 DS3 circuits or up to 96 10/100/1000 Ethernet circuits or various combinations of DS1, EC-1, DS3, OC3, OC12, and 10/100/1000 Ethernet services
- Dimensions: 12.25 inches (7U) H x 12 inches D x 17.5 inches W

#### Accommodates

- One System Controller Module (SCM2, P/N 1184500L2)
- Two OMM modules in high-speed (HS) slots
- Twenty-four tributary modules in Mid-Speed (MS) slots
- One DS3 Switch Module (DS3SM, P/N 1184567L1)
- One Fan Module (LFANM, P/N 1184564G1)
- 2mm Hard Metric connectors for 336 DS1 circuits
- BNC connectors for 48 DS3 or EC1 (STS-1) circuits
- Wire wrap: RS-485 bus, alarms, fans, and BITS clock
- RJ-45 front panel Ethernet management interface, in addition to rear panel RJ-45 for CO LAN maintenance access
- DB-25 X.25/ADMIN port interface
- RJ-45 or SFP connections to Ethernet tributary modules
- Fiber connections to OMM modules (LC connectors)
- Fiber connections to DC-3/12 tributary modules (LC connectors)
- Cooling via an integrated fan module

The OPTI-6100® LMX chassis is a compact 19-inch or 23-inch rack-mountable chassis for the OPTI-6100 Multi-service Provisioning Platform. The LMX chassis hosts optical multiplexer (OMM) modules to terminate OC-48 fiber circuits, and tributary modules to deliver DS3, EC1, DS1, OC-3, OC-12, or 10/100/1000 Ethernet services. A DS3 switch module is provided for enhanced DS3 protection. The OPTI-6100 LMX chassis utilizes current tributary modules common to the OPTI-6100 MX and SMX chassis.



OPTI-6100 LMX Chassis (front view)

Smart Solutions for a  
Connected World.





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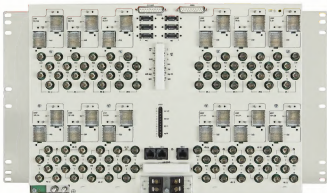


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# OPTI-6100 LMX Chassis

## OPTI-6100® Multi-Service Provisioning Platform



OPTI-6100 LMX Chassis (rear view)

## Product Specifications

### Operates from A, B, or A and B Input Voltage Power Feeds

- **Voltage Range:** -42 VDC to -60 VDC
  - -48 VDC, nominal
  - **Fusing Requirement:** 35 amp fuse, maximum

*Note: Certain configurations may allow for lower fuse ratings.*

### Extended Environmental Support

- **Operational Temperature Range:** -40°C to +65°C
- **Storage Temperature Range:** -40°C to +85°C
- **Relative humidity to 95%, noncondensing**

## Ordering Information

Equipment	Part #
OPTI-6100 Shelf	
LMX Chassis	118455SL1
Controller	
SCM2	1184560L2
OPTI-6100 High Speed Modules	
OC-48L OMM ADM/UPSR/Terminal, SFP, No optics	1184563L1
OPTI-6100 Mid Speed Modules	
OS3SW OS3 Switch Module	1184567L1
Additional modules as per site requirements	

Equipment	Part #
Misc. Hardware	
LFANM Assembly and Filter	1184564G1
Cables	
CBL ASY 8X11 2MM/CHAMP, RX 6FT OPTI-6100 LMX	1196CP101L7
CBL ASY 8X11 2MM/CHAMP, TX 6FT OPTI-6100 LMX	1196CP101L8
CBL ASY 8X11 2MM/STUB, RX 25FT OPTI-6100 LMX	1196CP101G9
CBL ASY 8X11 2MM/STUB, TX 25FT OPTI-6100 LMX	1196CP101G10
CBL ASY 8X11 2MM/STUB, RX 50FT OPTI-6100 LMX	1196CP101G11
CBL ASY 8X11 2MM/STUB, TX 50FT OPTI-6100 LMX	1196CP101G12
CBL ASY 8X11 2MM/STUB, RX 100FT OPTI-6100 LMX	1196CP101G13
CBL ASY 8X11 2MM/STUB, TX 100FT OPTI-6100 LMX	1196CP101G14
CBL ASY 8X11 2MM/STUB, RX 150FT OPTI-6100 LMX	1196CP101G15
CBL ASY 8X11 2MM/STUB, TX 150FT OPTI-6100 LMX	1196CP101G16
SFPs	
SFP-OC48 SR	1184560P6
SFP-OC48-IR	1184560P2
SFP-OC48-LR2 1550	1184560P5
SFP-OC48-LR	1184560P1

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