



RF SOLUTIONS



TOUGH TECHNOLOGY.

Head End / Hub Solutions

• LB100Rx

Lindsay Broadband LB100Rx series of optical return path receivers are 19" IRU rack mount receivers with (4) four independent return path optical receivers.



• LBTC

LB-TC series of rack mount optical transmitters are high performance, low noise DFB direct modulated lasers with single optical output powers from 4mw to 20mw, in 2mw steps. Transmit wavelengths are 1310nm, 1550nm or CWDM wavelengths.



• LB-1550FA

LB-1550FA series of rack mount EDFA's are high performance optical amplifiers. They are available in 14 to 23dBm output power in 1dBm steps.



• LB-EDFA-1550H LBAP-1550H

LB-EDFA-1550H Series are high output EDFA's: 25-37dBm, with 4,8,16, or 32 ports. The LB-EDFAP multiplexes the outputs of the EDFA with OLT inputs for a PON + CATV overlay.



• LB-RFoG4U

RFoG-4U Optical chassis platform is for a full-functioning RF over Glass system. The platform includes a full complement of optical transmitters, receivers and multi port EDFA modules.



• LBAGX

The LBAGX family of modules include, Optical splitters, couplers, CWDM MUX and Demux modules. Modules will fit most existing rack mount chassis, or the LBAGX chassis complements the package.



Family of Optical Node Units (ONUs)

Lindsay Broadband family of Optical Node Units (ONU's) are specifically designed to meet HFC, Fiber Deep, Multiple Dwelling Unit (MDU), and RFoG architecture requirements for the growing FTTx Network.

- **LBON4000**

2 or 4 port Outdoor ONU.
Designed for HFC Fiber Deep architectures.



- **LBN-200**

1 or 2 port Indoor/Outdoor RFoG ONU. HFC Fiber Deep architectures. Optional 120/240VAC powering for MDU applications. Burst Mode return transmitters available in FP or DFB, 1310nm, 1610nm or CWDM wavelengths.



- **LB-ONU50**

High-output indoor optical fiber node with optical AGC. Designed for MDU, business and university applications.



- **LBVM900**

High-output optical fiber node in a compact die-cast aluminum housing. Designed for MDU, business and university applications.



- **OFN1020 Series**

Compact, indoor fiber to the premises (FTTP) optical node.



- **LB-ON-300AC**

Subscriber Premise RFoG ONU, with optical AGC and Burst mode return lasers. Optional PON pass – through port.



Apartment Amplifiers

• **LHA41RM**

1GHz GaAs-FET Push Pull high output +50dBmV amplifier with 41dB forward gain and 19dB reverse gain. 110 and 240 VAC powering with 6Kv surge withstand. Diplex filter options include 42/54, 65/85 and 85/105MHz. Ideal for large MDU complexes.



• **LHA35RM**

1GHz GaAs-FET +44dBmV output with 35dB forward gain and 18dB reverse gain. 110 and 240 VAC powering with 6Kv surge withstand. Diplex filter options include 42/54, 65/85 and 85/105MHz. Ideal for medium MDU complexes.



• **LA35R**

1GHz Compact GaAs-FET +44dBmV output with 35dB forward gain and 18dB reverse gain. 100 to 240 VAC wall transformer powering with 6Kv surge withstand. Diplex filter options include 42/54, 65/85 and 85/105MHz. Ideal for medium MDU complexes.



• **LA34R**

1GHz Compact Push Pull +44dBmV output with 35dB forward gain and 20dB reverse gain. 110 and 240 VAC powering with 6Kv surge withstand. Diplex filter options include 42/54, 65/85 and 85/105MHz. Ideal for small MDU complexes.



• **LBL100A**

1GHz GaAs-FET dual +44dBmV outputs with 35dB forward gain and 20dB reverse gain. Line Powered 40-90 VAC with unique on board equalizers adjusted with 1dB plug in pads. Diplex filters options include 42/54, 65/85 and 85/105MHz. Ideal for Fiber Deep line extender of HFC powered large MDU complex.



Subscriber Amplifiers

Lindsay Broadband family of 1GHz high performance subscriber amplifiers are built tough with 15PSI water-tight seal, -40°C to +60°C operating temperature, 6kV surge withstand capabilities, 360-degree F pin seizure and -100dB RFI shielding. Available with 110 to 240 voltage AC country specific wall transformer and power insertion on output port, power on LED indicator and optional diplex filters 42/54, 65/85 and 85/105MHz.

Two-way Passive Reverse Models

LSA151 - One output with 15dB of forward gain.

LSA151-EQ8 – One output with 15dB of forward gain equalized to 8dB.

MLSA151 – One output MINI with 15dB of forward gain.

LSA84 – Four outputs with 8dB of forward gain.

LSA84-EQ8 - Four outputs with 8dB of forward gain equalized to 8dB.



Two-way Active Reverse Models

LRSA101 – One output with 10 dB of reverse gain.

LRSA1510 – One output with 15dB of forward gain and 10dB of reverse gain.

MLRSA1510 - One output MINI with 15dB of forward gain and 10dB of reverse gain.

LRSA0803 - Four output with 8dB of forward gain and 3dB of reverse gain.



Multimedia Home Phone Models

LRSA0800B - Four outputs with 8dB forward gain and a relay activated home phone port.

LRSA0000B - Four outputs with unity gain and a relay activated home phone port.

LRSA004S - Five Outputs with unity gain and a built in splitter home phone port.

LRSA008S - Nine Outputs with unity gain and a built in splitter home phone port.



MoCA Enabled Models

MLSA-15M - One output MINI with 15dB of forward gain.

LSA84M - Four outputs with 8dB of forward gain.

LRSA0045M - Five Outputs with unity gain and a built in splitter home phone port.

LRSA0085M - Nine Outputs with unity gain and a built in splitter home phone port.

Power Inserter

CDA-PI – power inserter



Optional Life Line UPS

NIU-UPS – 10 hour uninterruptable power supply.



• Stand Alone CPE Un-interruptable Power Supply



- **LB-CPE-UPS**

Lindsay Broadband LBCPE-UPS backs up critical subscriber premise RF and Optical equipment from unanticipated power disruptions. Packaged with Optical node or can be used in a stand alone version.



• Passives & Multitaps

Lindsay Broadband family of 1GHz high performance passives are built tough with 15PSI water-tight seal, -40°C to +60°C operating temperature, 6kV surge withstand capabilities, 360°F pin on multi-taps and -100dB RF shielding.

- **100 Series**

100 SERIES Non-disruption of service hinged lid design includes all values and configurations including unique Status Pickers for status monitoring.



- **LG Series**

LG Series complete line including all values and configuration with Rotational seizure mechanism.



- **LGMT Series**

LGMT Series of multi-taps available in all values and configurations including competitors compatible replaceable plate designs.

