

# Product Update Notification

<b>Product Model No</b>	LT1550, 19" 1RU 1550nm Laser Transmitter	<b>Pun Ref</b>	PUN20180806_001
<b>Applies To</b>	New orders and RMA replacements		
<b>Hardware Revision</b>	<b>Impact</b>	Minor	<b>Versions</b>
			Varies with specific model number
<b>Firmware Revision</b>	<b>Impact</b>	Minor	<b>Versions</b>
			Varies with specific model number
<b>Distribution to</b>	Global		
<b>Approved by</b>	Eric Sun	<b>Date</b>	28 Jun 2018
<b>Changes</b>	<p>The LT1550 series 19" 1RU 1550nm laser transmitter product is receiving an update to its hardware performance, physical appearance, firmware interface and order codes.</p> <p>Compared with the previous version, the new LT1550:</p> <ul style="list-style-type: none"> <li>• Increases the operating bandwidth from 45-1000 MHz to 45-1218 MHz</li> <li>• Improves signal performance, +18dBm SBS suppression, MER &gt; 38dB</li> <li>• Front-panel optical output ports improve customer ease-of-use</li> <li>• Dual power supply units and fan modules support hot-swapping</li> <li>• Web user-interface style has been updated to reflect a unified theme with other PBN head-end based products</li> <li>• Can be ordered with up to 2 output ports @ 07dBm optical output power per port.</li> </ul>		

## IMPROVEMENTS

- Support 1.2GHz bandwidth
- Improved RF performance
- Flexible power supply options
- Updated and unified software interface design

## NOTES ABOUT THIS UPDATE

- Order details

<b>LT1550-[U-V]-[W]-[X][Y][Z] ..... 19" 1RU Laser Transmitter</b>			
<b>Options:</b>			
<b>U-V</b>	Number of Outputs and the Optical Power of each Port	<b>X</b>	Optical Connectors
	1-07 Single output at 7 dBm		<b>S</b> SC/APC
	1-08 single output at 8 dBm		<b>F</b> FC/APC
	1-09 Single output at 9 dBm		<b>L</b> LC/APC
	1-10 Single output at 10 dBm		<b>E</b> E2000/APC
	2-07 Two outputs and each output is 7 dBm	<b>Y</b>	Number of 220Vac Power Supply Units
<b>W</b>	ITU grid channel (Optical wavelength)		<b>1A</b> Single mains power supply 220 Vac
	21 192.1 THz (1560.61 nm)		<b>2A</b> Dual mains power supplies 220 Vac
	22 192.2 THz (1559.79 nm)		<b>1D</b> Single mains power supply -48 Vdc
	23 192.3 THz (1558.98 nm)		<b>2D</b> Dual mains power supplies -48 Vdc
	⋮ ⋮		<b>AD</b> With two mains power supplies of 220 Vac and -48 Vdc
	49 194.9 THz (1538.19 nm)	<b>Z</b>	Power Cable
	50 195.0 THz (1537.40 nm)		<b>AU</b> Power Cable for Australia
	51 195.1 THz (1536.61 nm)		<b>CH</b> Power Cable for Switzerland
	35 193.5 THz (1549.32 nm)		<b>CN</b> Power Cable for China
			<b>EU</b> Power Cable for Europe (not for use in UK)
			<b>UK</b> Power Cable for UK
			<b>US</b> Power Cable for USA

- The previous LT1550 version comes to EOL and new orders will be fulfilled by new version as of this date. For any specific reasons that previous LT1550 models are required, please contact PBN within 6 months of the announcement. PBN will review and try to fulfill the request on a case by case basis.