Give your cell signal a BOOST! Increase connectivity and gain control of your M2M & Mobile cellular devices that are located in weak signal environments...

UL 1610 Listed M2M Cell Signal Amplifier

The ML-CSA 3550 UL 3G Cell Signal Amplifier is a "Plug & Play" device that connects in-line with any M2M cell-enabled router, modem, module, or gateway. It enhances downlink and boosts UPLINK cell signal strength by up to 15dB to lock in data connections. Premier Uplink Connectivity is essential for M2M devices to connect to the cell tower for real-time monitoring & control.

The ML-CSA 3550 UL is certified and in compliance with UL 1610 Standard, making it an essential component in wireless burglar alarm installations.

The ML-CSA 3550 Cell Signal Amplifier is superior to other cell amps & hi-gain antennas:

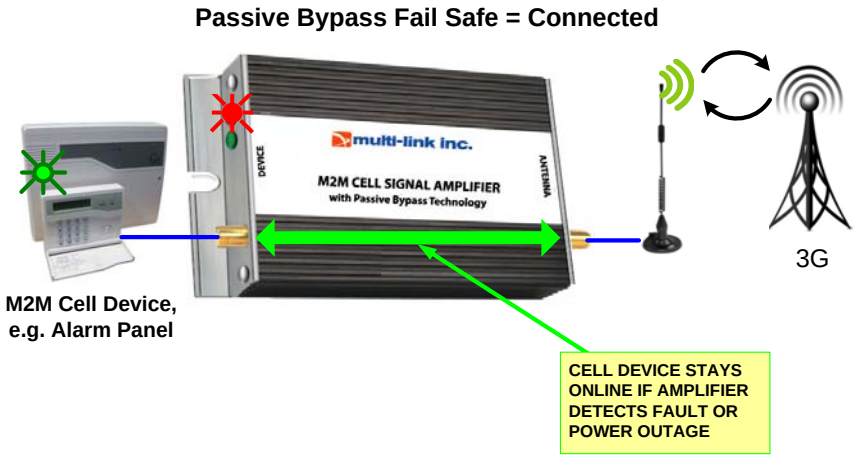
- **Patented Passive Bypass Technology:** *Unique FAIL-SAFE feature* that ensures the connected cell device stays online, even if amplifier loses power or goes in stand-by mode. Vital for mission-critical applications for safety, security, and liability reasons.
- **Patented Auto Gain & Oscillation Control:** *Incrementally* adjusts the gain and output power to optimize the cell signal strength and prevent interference with the carrier network.
- **Variable Input Power Range:** +8.0 to 36.0 VDC for a variety of M2M applications.
- **UL 1610 Compliant for Central Station Burglar Alarm Units**
- FCC & Industry Canada (IC) Certified *AND* Carrier Approved
- Full "Plug & Play" Kit

multi-link inc.

Got questions? Reach us at sales@multi-link.net or call 800.535.4651 or visit www.multi-link.net

ML-CSA 3550 UL Cell Signal Amplifier

Exclusive Patented "Passive Bypass" Feature



ML-CSA 3550's Passive Bypass feature allows the amplifier to passively bypass itself and become merely a "pass-through" cable during these occurrences:

- When amplification is not necessary, e.g. existing cell signal strength is adequate
- When connected cell device goes into "Stand-By" Mode
- When there is a power loss to amplifier
- When a fault is detected

Passive Bypass technology is useful in applications where the amplifier is mobile, moving in and out of poor signal areas. The amplifier will bypass itself when in close proximity to cell towers. This serves as a safeguard feature, completely eliminating any potential for disruption to the cell network. This unique feature is also extremely useful in fire & security system installations where a connection with the antenna must always be maintained, even with loss of power.

ML-CSA 3550 UL Specifications

- Frequency Range: Cellular 850 (824MHz – 894MHz), PCS 1900 (1850MHz – 1990MHz)
- 20dB BW: 850 UL: 39MHz, 1900 UL: 115MHz
- Rated Uplink Maximum Output Power: Cellular 850; 27dBm, PCS 1900; 27dBm
- Rated Downlink Maximum Output Power: Cellular 850; -20dBm, PCS 1900; -20dBm
- Current Draw at idle 9.5 -29 at VDC: - 277.5 milliampres
- Power Requirement: 9.5 to 29.0 volts DC (negative ground), Connector is center positive
- Nominal Gain: Cellular 850: 15dB, PCS 1900: 15dB
- Input/output Impedance: 50 Ohms
- Rated Mean Output Power: 27dBm
- UL Listed: UL 1610

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