



ION®-U High Power Extension Unit for USA700 and USA 750, SMR 800, CEL 850, AWS 1700, PCS 1900 Band Applications

Product Classification

Brand	ION®-U
Product Type	Extension unit

General Specifications

Note	Detailed Product Specifications are available. Please contact your local CommScope representative.
Power Type	High

Electrical Specifications

License Band	AWS 1700 CEL 850 PCS 1900 SMR 800 USA 700 USA 750
Voltage Range	-60 to -48 Vdc

Output Power Per Antenna Port

Note	** For carrier bandwidth < 5 MHz output power shall be reduced by 3 dB
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Electrical Specifications Rx (Uplink)

Input ICP-3, specific	-16 dBm (CEL 850), ICP-3 optimized -16 dBm (SMR 800), ICP-3 optimized -16 dBm (USA 700), ICP-3 optimized -16 dBm (USA 750), ICP-3 optimized -18.5 dBm (AWS 1700), ICP-3 optimized -18.5 dBm (PCS 1900), ICP-3 optimized -19 dBm (CEL 850), NF optimized -19 dBm (SMR 800), NF optimized -19 dBm (USA 700), NF optimized -19 dBm (USA 750), NF optimized -21.5 dBm (AWS 1700), NF optimized -21.5 dBm (PCS 1900), NF optimized
Operating Frequency Band	1710 – 1780 MHz (AWS 1700) 1850 – 1915 MHz (PCS 1900) 698 – 716 MHz (USA 700) 776 – 787 MHz (USA 750) 817 – 824 MHz (SMR 800) 824 – 849 MHz (CEL 850)

Electrical Specifications Tx (Downlink)

Operating Frequency Band	1930 – 1995 MHz (PCS 1900) 2110 – 2180 MHz (AWS 1700) 728 – 746 MHz (USA 700) 746 – 757 MHz (USA 750) 862 – 869 MHz (SMR 800) 869 – 894 MHz (CEL 850)
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