



## Features

- 300Mbps Radio
- AP, AP Client, and Bridge
- 802.11n/a
- Simple metal case design
- HT-OFDM
- TPC, DFS
- WEP, WPA(TKIP), WPA2(AES)
- WEB Management
- Point-to-Point
- Point-to-Multipoint
- POE

## 11n MAX300



**SKU: SILMAX300-PCP**

### The advantages of the 11n MAX300

- Up to **60km** Range
- Up to **95Mbps** throughput, Duplex
- Easy configuration. Supplied as pre-configured pairs so that all you need to do is power them up.
- Simple design. Easy to install.
- Power over Ethernet functionality requires only a single Ethernet cable between the LAN and the radio for sufficient power.
- **SilverView Monitoring Software** compliant.
- **Includes brackets and power supply.**

# SILVERNET

### What is the 11n MAX300?

The 11n MAX300 is a Wireless outdoor bridge that has been optimised for distances up to **60KM**.

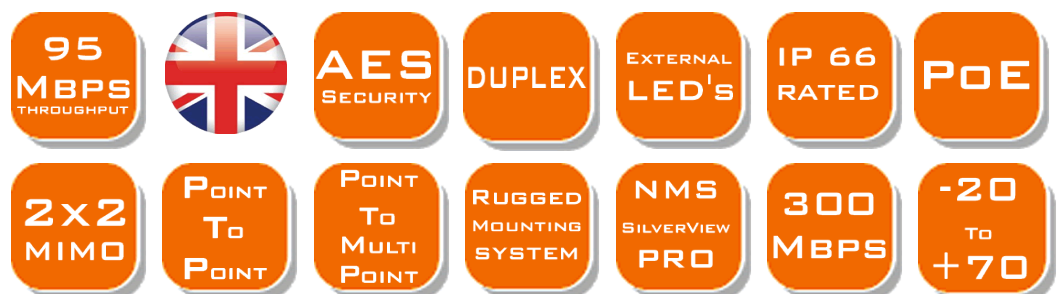
The 11n MAX300 operates at air interface speeds of up to 300Mbps and has an actual data rate of **95Mbps**

The 11n MAX300 works at 5Ghz and is compatible with the 802.11n/a standard.

The 11n MAX300 also supports Advanced Encryption Standard (**AES**) approved for use to protect Government Classified Information.

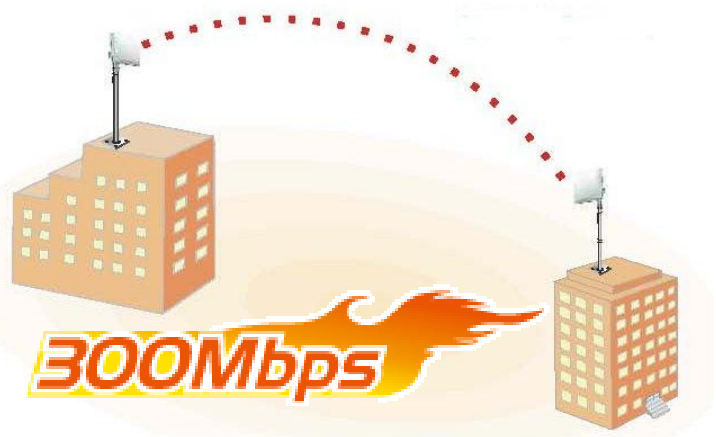
Other features include error recovery, quality of service (QoS) as well as the IEEE802.1x standard, providing excellent security for the wireless network and increased WLAN performance.

The 11n MAX300 is an Ideal low cost solution for short-range point to point or point to multipoint links and has a built in Dual23dBi antenna.



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Product Model	
SKU: SILMAX-PCP	11n MAX300 link, 95Mbps, MIMO 2x2, Dual 23dBi integrated antenna
Radio Specs	
Transmission rate	11n: 300, 270, 240,180, 120, 90, 60, 30Mbps 11a: 54, 48, 36, 24, 18, 12, 9, 6Mbps
MIMO	2x2
Modulation	HT-OFDM with BPSK, QPSK, 16QAM, 64QAM
Standards	IEEE802.11n, IEEE802.11a
Channel Size	5MHz, 10MHz, 20MHz, 20/40MHz (Auto)
Channel (Country Dependent)	USA (FCC): 5.15GHz - 5.825GHz Europe (ETSI): 5.47GHz - 5.850GHz
Operating frequency	4.92Ghz ~ 6.1Ghz
RF output power	Up to 26dBm from port
Sensitivity	-82dBm@54Mbps, -74dBm@300Mbps
Operating Mode	AP, Station, Repeater and Bridge
Antenna	23dBi Integrated Dual polarized Antenna (H+V)
HPBW/ Horizontal/ Vertical	10° x 10°
Security - Network	
WPA2 (AES)	AES 128-BIT
Legacy Encryption	TKIP, WEP 64 / 128 / 152 bits
802.1x	Supports 802.1x Client and Server
Radius	Supports Radius Client, 802.11i
MAC	Supports MAC address filtering
Qos	Asymmetric Bandwidth Control
Vlan	802.1Q: Management, trunk, access and transparent mode
Electrical – Interface	
LAN/WAN	10/100BASE-T (RJ-45) LAN Port (with Auto MDI/MDIX)
Power	6 watts (typical), 16 watts (max) DC 24–48 Volt or POE (included in kit 100-240vac)
Management	
Remote Connection	Web, Telnet, ssh, SilverView Monitoring
SNMP	SNMP V2
Firmware	Upgradeable via web
Physical	
Dimensions	Unpacked radio 37 x 37 x 9 (cm) each
Weight	Unpacked radio 2.5Kg Each
Dust and Waterproof	Ip66 Certified
Mounting Bracket	3 Axis Magnesium alloy , wall or pole mount (included in kit)
Environment	
Operating Temperature	-20~70°C (Storage -40~90°C )
Humidity	0~95% (non-condensing)
Other	
Warranty	2 Year Parts and labour
MTBF	60000 Hrs
Pack Contents	2x 11n MAX, 2 x POE injector, 2 x Mounting bracket sets



'Link in a Box'

## 11n Series Product Information

### 11n MICRO300

Up to 300Mbps

◆ 11n up to **100Mbps data throughput** radio, DFS, TPC, IEEE802.11n, HT-OFDM, WPA, WPA2, WEB Management, AP, AP Client, and Bridge, POE. Built in dual 13dBi antenna

**SKU: SILMICRO300-PCP**

### 11n LITE300

Up to 300Mbps

◆ 11n up to **100Mbps data throughput** radio, DFS, TPC, IEEE802.11n, HT-OFDM, WPA, WPA2, WEB Management, AP, AP Client, and Bridge, POE. Built in dual 18dBi antenna

**SKU: SILLITE300-PCP**

### 11n BRIDGE300

Up to 300Mbps

◆ 11n up to **100Mbps data throughput** radio, DFS, TPC, IEEE802.11n, HT-OFDM, WPA, WPA2, WEB Management, AP, AP Client, and Bridge, POE. External antenna.

**SKU: SIL11nBR**



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SilverNet Limited reserve the right to change specifications and other information within this document without notice and your attention is brought to the fact that performance figures are under ideal conditions. Actual performance will depend on many environmental factors and it is recommended that a site survey if undertaken prior to installation.

Please also note that this equipment may also be subject to local legislative restrictions such as Band C operation within the UK. It is the end users responsibility to ensure that the installation complies with any such restrictions that are in force.