

LanPro Wireless Business & Industry Solutions

LPWIRELESS_AN_ENB01I

Mercury

Features	
802.11a/b/g OFDM DSSS CSMA/CA	<ul style="list-style-type: none"> - Classic WiFi Equipment. - Fixed Bandwidth: 20MHz CSMA/CA. - OFDM. - Line of Sight required.
PtP, PtMP	<ul style="list-style-type: none"> - 5.8GHz recommended for High Quality PtmP or backbones. From 5.1GHz-5.8GHz. - 2.4GHz recommended for low cost WISP.
All WIFI Products	Note: The LP-288ai & LP-289ai+ support 108Mbps into a 40MHz channel bandwidth in turbo mode.



Convergence

Description	
PDH OFDM/TDD	<p><i>Convergence Series: Voice / Data / Video Multiplex Microwave System.</i></p> <ul style="list-style-type: none"> - This is a cost-effective solution that delivers up to 23Mbps air rate for Ethernet and 4E1s (4T1s) traffic. - The system supports a variety of spectrum bands. - Available in FE1 (Fractional E1), V.35 and Ethernet interface version. Strictly PtP.
PtP	<ul style="list-style-type: none"> - The 2/4E1 model's frequency available in 2.4 GHz and 5 GHz. - The FE1/V.35 model's frequency Available in 700 MHz, 900 MHz, 2.3 GHz, 2.4 GHz, 2.7 to 2.9GHz, 3.3-3.7GHz, 4.9 and 5GHz.
Convergence E1/T1 + Ethernet + V.35	<ul style="list-style-type: none"> - SNMP ready. - 120/240VAC and 48VDC available. - LOS mandatory. - Excellent CAPEX. - Versions ready with or without integrated antenna.



Atlas

Description	
OFDM/TDD TDM/QoS	<p>Our series of OFDM TDM & QoS TelCo Radios.</p> <ul style="list-style-type: none"> - Channel bandwidths of 5, 10 and 20 MHz. - Not WiFi compatible. - Operating frequency range ≤ 40 MHz. - Output power of 1W and 5W on UHF bands.
PtP, PtMP	<ul style="list-style-type: none"> - Available UHF frequency bands: 300MHz, 400 MHz, 500 MHz, 600 MHz, 700 MHz and 800 MHz and 900MHz. - Customized output power and frequency from 300 MHz to 6.06 GHz.
TELCO Base Side High Capacity/ Long distance Outdoor subscriber	<ul style="list-style-type: none"> - TDM/QoS capable base station for PtmP applications, two CPE's will never talk at the same time. - Efficiency highly improved. - The UHF frequencies show non-LOS capabilities. - Over 2.4GHz are Near LOS only. - It provides the TDM/QoS and data flow control Nx64kbps for their own CPE. - SNMP and PoE ready. - Atlas series is designed for TelCo Business.



● **Nyx**

Description	
OFDM Up TO 5W	<ul style="list-style-type: none"> - LanPro Mesh solutions, available on 400MHz, 900MHz, 2.4 and 5.8GHz. - Custom from 300 MHz to 6000 MHz. - Typical output power 200mW. - 3W available at 2.4GHz for powerful system deployments.
Mesh/Bridge	<ul style="list-style-type: none"> - Stable and reliable network. - Ability for automatic adjustment and selection of the optimal path. - Simple network structure. - Easy to install.
SELF ROUTING SELF HEALING FIX - MOBILE	<ul style="list-style-type: none"> - A new node that joins the network can be automatically discovered. - Reduces the deployment cost and the operation management workload. - Self-tuning and self-healing mesh for network optimization. - Supports QoS (WMM) / Multi-BSSID/VLAN functions. - 5W@400MHz available for military/emergency applications. - Only one antenna per equipment. - 120-240VAC as well as 12VDC models available. - Mesh allows mobility and redundancy.


● **Vulcan and Vulcan 400**

Description	
TDMA/TDD	<ul style="list-style-type: none"> - High Capacity/ Long distance outdoor subscriber TDMA/ TDD, Frequency available in 400MHz, 900MHz, 2.3GHz, 2.4GHz, 3.4-3.7GHz, 4.9-6.06GHz. - 5/10/20/40MHz adjustable bandwidth provides flexibility up to 56Mbps in a 40 MHz channel bandwidth.
PtP/PtMP	<ul style="list-style-type: none"> - 5/10MHz for Vulcan 400 only. - Low EIRP. - Proprietary security.
Long Range Up to 40Km 40Mbps	<ul style="list-style-type: none"> - Not compatible with regular WiFi products. - No interference. - Ideal for long bridge applications. - PtP / PtMP. - Integrated Antenna offers 10 degrees E x H. - Ideal for rural and remote villages. - Ideal for VoIp to isolate locations. - Near-Far issue unaffected. - 50% more flow than Mercury or Atlas series.



Mercury, Convergence, Atlas, Nyx and Vulcan are series of specialized Data Radios from LanPro. Affordable & Reliable Wireless Network solutions at your fingertips.

All our units are proven and reliable. Ethernet lightning protection as per IEC61000-4-5 Radio enclosure via SurTec 650 Salt Spray Test according IEC60068-2-11 (168 hours test).