DWU2150A
802.11n Advanced Access Unit
Wireless Connectivity
5.150-5.875GHz

DANTE

DESCRIPTION

The DWU2150A Series are low cost, high performance, indoor/outdoor high speed duplex wireless broadband connectivity equipments that may be installed to transport data signals as Point to Point (PtP) or Point to Multipoint (PtMP) configurations. Units operate in frequency combination spectrum of 5.15 to 5.875GHz, comply with 802.11a/n and are designed with Time Division Multiple Access (TDMA) MIMO scheme to **provide maximum throughput** without incurring the expense of leased lines or fiber runs. Featured are up to 450Mbps speed, Site Survey analyzing software tool, bandwidth control, 1000Mbps Ethernet port for POE with reset button, SNMP, firmware upgrade and secure Data Encryption. Built UV stabilized, waterproof plastic enclosures, Series DWU2150A transmit/receive 25Km, meet stringent specifications including temperature, humidity, voltage/transient protection, shock/vibration and are ideal for cost effective commercial and industrial wireless IP video surveillance installations.

FEATURES

* Wireless Access Unit/CPE, 5.15-5.875GHz, 450Mbps
* Large Scale IP Cameras on Wireless Networks
* Wireless Drivers provide low Jitter and Latency
  Less than 3ms on 25Km with no performance loss
* Operate as Point to Point, Point to Multi Point
* 10/20/30/40/50/60/80 MHz spacing on PtP
* 10/20/30/40 MHz spacing on PtMP
* Support 802.11abg and 802.11n standards
* Up to 450Mbps 11n - channel spacing dependent
* Security - WPA2 AES Encryption
* 10/100/1000Mbps RJ-45 Ethernet Port for POE
* Internal 25dBi Antenna - 25Km Link
* Link Status and Speed Indicators
* SNMP, Telnet SSH, PPTP and Web Management
* Site Survey Software Diagnostics Tool
* Firmware Upgrade via SSH / TFTP
* Bandwidth Control; Backup Settings via SSH
* Wind Survivability to 125M/h (200Km/h
* 24VDC input and PoE adapter with Reset Button
* Solar Panel friendly 8.5W power consumption
* Compliance: IEC68, CE, FCC, ROHS, MIL-STD810

APPLICATIONS

* Homeland Security

* Metropolitan Scale Mesh Networks

* Petrochemical Industry Networks

* Corporate and Banking Systems

* WISP Access Networks

* Public Safety Access Networks

* Schools and Universities

* Government and Military

* Power Generating Plants

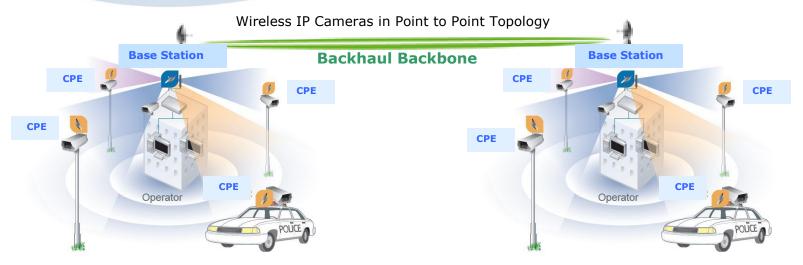* Carrier Backbones & Extensions

* Traffic Surveillance & Management

ORDERING INFORMATION

DWU2150A-9   Duplex (video-PTZ Data) Wireless Access Unit, 1000Mbps Ethernet Port, 25dBi
5.15GHz - 5.875GHz, 24VDC/POE

www.dantesecurity.net   Lynbrook, NY USA   **sales@dantesecurity.net**

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Wireless IP Cameras in Point to Point Topology

Base Station   **Backhaul Backbone**   Base Station

Specifications	DWU2150		
Processor/Memory	MIPS 74Kc, 720 MHz/64MB DDR2 SDRAM	RF Output Power	24dBm to 20 dBm
Standards	IEEE 802.11a/b, 802.11n	Sensitivity	802.11a = -96dBm
Support Protocol	TCP/IP IPX NetBEUI		to -65dBm
Connection Rate Select Modulation	Up to 450Mbps in 801.11n 256QAM		802.11n =−96dBm
Communication	Point to Point, Point to Multi Point		to −75dBm
DHCP	DHCP Server, DHCP Client	SSH Management	Yes
IP Auto Discovery	Yes	SNMP	Yes
Network Map	Yes	Telnet	SSH
Access Layer Users	50 recommended	Bandwidth Control	Yes
Spanning Tree	Yes	Mass Firmware Upgrade	SSH / TFTP
Power Control	Yes	Backup Settings	SSH
Link Status and Speed	Yes with LED Indicators	WEP Encryption	WPA2 AES only
Freq. Scan List	Yes	Radius	Yes
LAN	1000Mbps RJ-45 Port (POE)	Diagnostics Tools	Site Survey Analyzing Software
IEEE802.iq VLAN	Yes	WPA2	Yes
Antenna	built-in - 25dBi 25Km distance	QoS	Yes
Access Reboot	Yes	Dimension	420mm ×420mm ×230mm
Access Control	Yes	Weight	4.9lbs/2.22 Kg
Power Supply	20-26VDC/0.5A; 8.5W consumption	Operating Temp.	−40∼70℃
PoE Adapter	Available with built-in Reset Button	Storage Temp.	−20∼80℃
Frequency	5.150GHz - 5.875GHz	Humidity	5∼95%
Channel Width	10MHz, 20MHz	Shock and Vibration	IEC68-2-6; IEC68-2-14

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