


CYIENT

A man with a beard and dark hair, wearing a plaid shirt over a white t-shirt, is looking down at a silver laptop he is holding. The background is a lush green vineyard with rows of grapevines. In the upper right corner, a tall, red and white metal cell tower with various antennas is visible against a bright, slightly hazy sky. A semi-transparent green rectangular box is overlaid on the right side of the image, containing the text 'BROADBAND WIRELESS TERMINAL' in white, bold, sans-serif capital letters.

**BROADBAND
WIRELESS
TERMINAL**

Cyient's Broadband Wireless Terminal allows service providers to extend branded broadband services to areas where fixed line access is limited, offload data traffic from congested 3G/4G networks, and deploy multimedia hotspots. The solution supports IEEE 802.11 a/b/g/n/AC standards and includes an integrated patch antenna that is designed to operate in harsh outdoor conditions.

	CWAP-01	CWAP-02
Deployment Scenario	Outdoor Hotspot	Outdoor Hotspot and Indoor
	Point to Point	
	Point to Multipoint	
	MESH	
Standard	IEEE 802.11 a/b/g/n/ac	IEEE 802.11 a/b/g/n/ac
Operating Frequency	2412 to 2472 MHz 5180 to 5875 MHz (Incl outdoor channel 169 & 173 specific to India)	
Radio	Dual band (2.4 GHz & 5 GHz) concurrent operation	
Operating range	0-20km depending on antenna	
MIMO	2x2 upgradable to 3X3	2X2 upgradable upto 4X4
Channel Width	20/40/80	
Clients	More than 50 concurrent users	
Data Rate	Upto 450 Mbps using 3 radios (max 300Mbps per radio) covering 3 sectors	1.73Gbps on single radio channel with 160MHz spectrum of 5GHz band
Operating Power	Max: 20W Typical: 12W Input Voltage Range: 10V to 55V	
WAN Port	1x Ethernet Port – Gig bit auto-sensing	
	1x Optical Port (XFP) - 10 Gig bit (optional)	
Tx Power	20 dBm on RF port	
PoE	802.3af and 802.3at	
Environmental	Outdoor Unit complying to IP65, IP67	IP65
Operating Condition	Temp: -20C to +55C	
	Humidity: 10 to 95% non-condensing	
Remote Upgrade	YES	
GUI	YES	
Antenna Connector Type	N(F)	
Antenna Type Supported	Patch Panel, Omni, Sector, Grid	

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