Unified communications solution for SMB

iPECS

WAP-2080

iPECS Dual Band 802.11n Wireless Access Point

WAP-2000 SERIES WIRELESS ACCESS POINTS ARE AN IDEAL FIT FOR CUSTOMERS ADDING OR EXTENDING THEIR WIRELESS COVERAGE BY COMBINING HIGH PERFORMANCE AND ADVANCED FEATURES.

Overview

The LG-Ericsson iPECS WAP-2080 is a high performance, dual-band 802.11n wireless access point for the SMB. It supports 802.11n connectivity for applications demanding high bandwidth and quality of service, such as voice and video over wifi, and concurrent operation in the 2.4 GHz and 5 GHz frequency bands for maximum performance and application flexibility. The WAP-2080 is extremely simple to set up and can be managed via an intuitive Web-based GUI, CLI, or SNMP. The access point supports IEEE 802.3af Power-over-Ethernet (PoE) and external DC power for flexible placement options.

The iPECS WAP-2080 provides robust, business-class security features including WPA/WPA2, 802.1x with Radius, MAC address control, and rogue AP detection. It also supports multiple operational modes including AP, bridge, and simultaneous AP/bridge modes. With its capability to operate in different modes, the WAP-2080 can provide wireless access to an entire small office or can be added to an existing SMB network as a cost-effective way to expand wireless coverage. The access point provides 8 SSIDs per radio (16 total with both radios enabled) to allow multiple secure workgroups for wireless users and guests. The LG-Ericsson iPECS WAP-2080 provides the best cost-performance for businesses looking to provide mobility, security, and flexibility to their employees and visitors.

Highlights

2.4/5GHz Dual Conuirrent Operation

High performance and multiple installation options

Multiple SSID

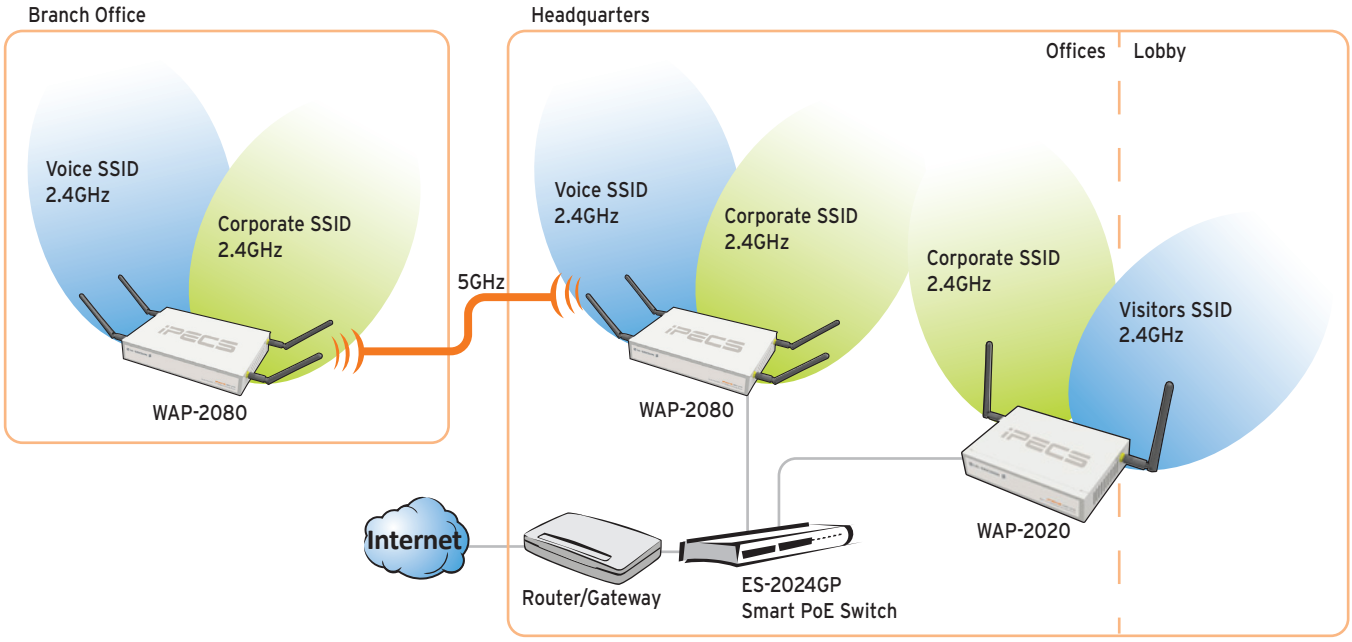
Up to 16 SSIDs allow multiple work groups for WiFi users and guests

Robust Security

WPA/WPA2, 802.1x with Radius, Rogue AP detection

802.3af PoE Support

Easy and flexible placement options



LG-ERICSSON

Technical Specifications

Hardware	
CPU Core	32-bit MIPS 24K Processor Core
CPU Speed	680MHz
RAM	64MB
Flash	8MB
Ethernet	1 x LAN port (10/100/1000Mbps) with Auto MDI/MDIX and IEEE 802.3at/af support
LEDs	Power
	Ethernet link status
	Radio status
Radio interface	One Type-III miniPCI
Console Port	RS-232 DB-9 Male
Reset	Push Button (Reset to factory defaults)
Power-over-Ethernet	802.3af
Timers	Watchdog timer for recovery in conditions of software hang
Power Consumption	Typical 11W
	Maximum 12.5W
Environmental	
Humidity	5% to 95% non-condensing
Temperature	Operating Temperature: 0°C to +50°C
	Storage Temperature: -40°C to +70°C
Physical	
Weight	0.94 Kg (2.07 lb)
Dimensions	200 x 139 x 35 mm (7.9 x 5.5 x 1.4 in)
Accessories required	
Power adapter	100-240V, 50/60Hz in
	12V, 2A out
Antennas	4

Software	
Wireless Protocols Supported	802.11a/b/g/n
Operating Modes Supported	AP mode
	Bridging mode
	Simultaneous AP/Bridge mode
Bridging configurations supported	Point-to-Point, Point-to-Multipoint
Bridge	802.1D bridging and Spanning Tree Protocol
Security/Authentication	WEP, WPA/WPA2
	Local and Remote MAC access Control
	Rogue AP detection
	IEEE 802.1x RADIUS authentication with EAP TLS, TTLS, PEAP
	Disable SSID broadcast
Quality of Service (QoS)	WMM and WMM-PS
VLAN	VLAN per SSID (Up to 8 VLANs per radio)
	Management VLAN
Virtual AP (VAP)/Multiple SSID (MSSID)	8 VAP/MSSID per radio (16 MSSID total)
Max Number of Wireless Clients	128
Client Isolation	Within VAP and across VAPs
Management	SNMPv1, SNMPv2c, CLI, HTTP
Secured Management	SNMPv2c, SSH, HTTPS
Other Management Protocols Supported	DHCP Client, DHCP Server, Network integrality check, Netbios, NTP, DNS Client
Other Wireless Functionality	802.11d
Accounting	RADIUS Accounting
Firmware Upgrade	HTTP, TFTP
Configuration File Management	Backup and restore
MIBs	Private Enterprise MIB, MIB-II, 802.11 MIB
Debug support	Syslog, SNMP traps, interface statistics, wireless station statistics
Embedded support	Embedded help page

Radio Characteristics

Standard	Data Rate	Tx Power (+/- 1.5dB)
802.11b	1-11Mbps	16-18dBm
802.11g	6 Mbps	20 dBm
	9 Mbps	20 dBm
	12 Mbps	20 dBm
	18 Mbps	20 dBm
	24Mbps	20 dBm
	36 Mbps	20 dBm
	48 Mbps	19 dBm
	54 Mbps	17 dBm
802.11n 2.4GHz/HT20	MCS0	18 dBm
	MCS1	18 dBm
	MCS2	18 dBm
	MCS3	18 dBm
	MCS4	18 dBm
	MCS5	17 dBm
	MCS6	16 dBm
	MCS7	15 dBm
802.11n 2.4GHz/HT40	MCS0	17 dBm
	MCS1	17 dBm
	MCS2	17 dBm
	MCS3	17 dBm
	MCS4	16 dBm
	MCS5	15 dBm
	MCS6	14 dBm
	MCS7	13 dBm

Standard	Data Rate	Tx Power (+/- 1.5dB)
802.11a	6 Mbps	17 dBm
	9 Mbps	17 dBm
	12 Mbps	17 dBm
	18 Mbps	17 dBm
	24 Mbps	17 dBm
	36 Mbps	17 dBm
	48 Mbps	15 dBm
	54 Mbps	15 dBm
802.11n 5GHz/HT20	MCS0	16 dBm
	MCS1	16 dBm
	MCS2	16 dBm
	MCS3	16 dBm
	MCS4	15 dBm
	MCS5	15 dBm
	MCS6	14 dBm
	MCS7	10 dBm
802.11n 5GHz/HT40	MCS0	15 dBm
	MCS1	15 dBm
	MCS2	15 dBm
	MCS3	15 dBm
	MCS4	14 dBm
	MCS5	14 dBm
	MCS6	12 dBm
	MCS7	8 dBm

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