Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

BWAP400 Tools and Accessories - 4 Radio XtraThin™ Access Point

Obsolete
Call
1-800-BELDEN1

For more Information
please call

1-800-Belden1

RoHS COMPLIANT
ENVIRONMENTALLY FRIENDLY

Description:

4 Radio XtraThin™ Access Point.

Physical Characteristics (Overall)

AWG of Cable:	24
Connector Cable Type:	Cat 5e
Connector Interface:	RJ45
Ohms:	100 Ohm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/31/2007
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards (Overall)

WLAN Standards:	IEEE 802.11b (2.4 GHz), 802.11g (2.4 GHz), 802.11a (5 GHz) and Homeland Security/Public Safety 4.9 GHz

Features (Overall)

WiFi Collaboration Features (Requires Switch):	Centralized management and configuration. Centralized authentication and encryption. Enhanced Voice over IP (VoIP) support, Spectrum reuse support. Quality of Service (QoS), Multiple networks, VLAN tagging, SNMP traps to report AP disconnect, Live AP status to switch

Regulations Approval (Overall)

Safety:	UL 60950-1, EN 60950-1, IEC 60950-1
EMC:	FCC Part 15 Class B, EN 302 489-1-17, VCCI Technical Requirements, V-3/2001.04
Safety Notes:	Radio (including modular approval): FCC Part 15C, FCC Part 15 E, EN 300 328. EN 301 893, Japan Type Certification: Article 2, Clause 1

Physical Properties (Overall)

Installation Options:	Horizontal (desktop or ceiling), Vertical (wall mount)
Dimensions (W x H x D):	7.7 in. x 4.9 in. x 1.8 in. (195mm x 125mm x 45mm)
Weight:	0.880 lbs.
LEDs:	4 x WLAN Activity (2 colors)
Power:	PoE (IEEE 802.3af), Power supply (optional): 48VDC

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

BWAP400 Tools and Accessories - 4 Radio XtraThin™ Access Point

Environmental (Overall)

Operating Temperature:	32°F to 122°F (0°C to 50°C)
Operating Humidity:	0% to 90%, non-condensing
Storage Temperature:	-49°F to 185°F (-45°C to 85°C)
Storage Humidity:	0% to 90%, non-condensing

Spectrum (Overall)

Number of Simultaneous Channels:	Up to two regardless of band
Public Safety:	4.9 - 5 GHz

Available Channels:

802.11a**	802.11b/g***
5.15-5.25 GHz	2.402-2.472 GHz (US)
5.25-5.35 GHz	2.402-2.482 GHz (ETSI)
5.505-5.725 GHz	2.402-2.494 GHz (Japan)
5.725-5.850 GHz	

Transmission Power (Overall)

Transmission Power (Mean):

802.11a	802.11b/g	802.11g
18 dBm (max)	17 dBm (max)	15 dBm (max)

Supported Rates

Supported Rates:

802.11a	802.11b	802.11g
6.9, 12, 24, 36, 48, 54 Mbps	1, 2, 5.5, 11 Mbps	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps

Receive Sensitivity

Receive Sensitivity:

802.11a	802.11b/g
6 Mbps: -88 dBm	1 Mbps: -91 dBm
9 Mbps: -87 dBm	2 Mbps: -88 dBm
12 Mbps: -86 dBm	5.5 Mbps: -87 dBm
18 Mbps: -84 dBm	6 Mbps: -89 dBm
24 Mbps: -81 dBm	9 Mbps: -88 dBm
36 Mbps: -77 dBm	11 Mbps: -85 dBm
48 Mbps: -73 dBm	12 Mbps: -87 dBm
54 Mbps: -69 dBm	18 Mbps: -85 dBm
	24 Mbps: -82 dBm
	36 Mbps: -79 dBm
	48 Mbps: -74 dBm
	54 Mbps: -71 dBm

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 0   Revision Date: 04-07-2008

BWAP400 Tools and Accessories - 4 Radio XtraThin™ Access Point