

EBS-40

Basestation

HIGHLIGHTS

Low power consumption

802.15.4 based protocol

Two Ethernet ports

Easy daisy chaining

2.4 GHz



EBS-40

Basic product specifications

OPERATION

CPU: Cortex M4 32-bit MCU **CLOCK FREQUENCY:** 120 MHz

MEMORY

INTERNAL FLASHROM: 512 kB **INTERNAL RAM:** 256 kB **EXTERNAL RAM:** 8 MB

OPERATING INDICATORS

ETHERNET: 10 Mbit/sec & 100 Mbit/sec, half duplex & full duplex

MODULATION: DSSS **BAND:** 2.4 GHz, 16 channels (2405-2480 MHz)

TRANSFER SPEED: 250 Kbits/sec (>10.000 complete image updates per hour with 2" ESL) **MAX. LOAD:** Up to 2500 ESLs per base station (with EE-201 and default ESL settings) **RANGE:** Typical 25 meter indoor; 100 meter open-field

PROTOCOL: IEEE 802.15.4 based **ENCRYPTION:** None (default); 256-bit AES encryption (on request)

POWER

VOLTAGE REQUIREMENT: Min 4.5V, Max 6.6V **CURRENT CONSUMPTION:** 200mA

DURABILITY

TEMPERATURE IN OPERATION: -10 to 50 °C / 14 to 122 °F **TEMPERATURE**

IN STORAGE: -20 to 60 °C / -4 to 140 °F **HUMIDITY IN OPERATION:** 20 - 85% (noncondensing) **HUMIDITY IN STORAGE:** 20 - 85% (non-condensing)

PHYSICAL

DIMENSIONS WITHOUT ANTENNAS (W x H x D): 145.1 x 110.1 x 32.4 mm / 5.71 x 4.33 x 1.28 in **WEIGHT:** Ca. 250 g / 8.8 oz (incl. antennas)

REGULATORY & SAFETY

PRODUCT COMPLIANCE: FCC, RoHS, EN60950-1, IEC 60950-1, EN 55022, EN 55024, CE, REACH, Anatel **DIN MOUNTING RAIL FOR WALL OR CEILING:** 35 mm x 7.5 mm (w x h), minimum length is 100 mm

Authorised Australian & New Zealand Distributor:
Goodson Imports Pty Ltd
142 Wicks Road
Macquarie Park NSW 2113
Offices in all main States and New Zealand
Ph: 02-8875 4544 Fax 02-8875 4588
www.goodson.com.au

