# **EBS-40**

### Basestation

#### **HIGHLIGHTS**





## **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):  $145.1 \times 110.1 \times 32.4 \text{ mm}$  /  $5.71 \times 4.33 \times 1.28 \text{ in WEIGHT: Ca. } 250 \text{ g}$  / 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

