

Wireless Computers



| | W406-LX | W406-CE | W406-T-LX | W406-T-CE | W315A-LX | W325A-LX | W311-LX | W321-LX | W341-LX |
|-------------------------------------|---|-----------------------|--|-----------------------|---|-----------------------|---|------------------|-------------------|
| Computer | | | | | | | | | |
| CPU Speed | 200 MHz | 200 MHz | 200 MHz | 200 MHz | 192 MHz | 192 MHz | 192 MHz | | |
| OS (pre-installed) | Embedded Linux | WinCE 6.0 | Embedded Linux | WinCE 6.0 | Embedded Linux | Embedded Linux | Embedded Linux with MMU support | | |
| DRAM | 32 MB | 32 MB | 32 MB | 32 MB | 32 MB | 32 MB | 32 MB | 64 MB | 64 MB |
| Flash | 16 MB | 16 MB | 16 MB | 16 MB | 16 MB | 16 MB | 16 MB | 16 MB | 16 MB |
| USB Ports | 1 (USB 2.0) | 1 (USB 2.0) | 1 (USB 2.0) | 1 (USB 2.0) | – | – | – | – | 2 (USB 2.0) |
| Relay Outputs | 4 DIs, 4 DOs | 4 DIs, 4 DOs | 4 DIs, 4 DOs | 4 DIs, 4 DOs | – | – | – | – | 1 |
| Storage | | | | | | | | | |
| SD Slot | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LAN Interface | | | | | | | | | |
| 10/100 Mbps Ethernet Ports | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Magnetic Isolation Protection | 1.5 KV | 1.5 KV | 1.5 KV | 1.5 KV | 1.5 KV | 1.5 KV | 1.5 KV | 1.5 KV | 1.5 KV |
| WLAN Interface | | | | | | | | | |
| Standard Compliance | – | – | – | – | – | – | 802.11a/b/g | | |
| Radio Frequency Type | – | – | – | – | – | – | DSSS, CCK, OFDM | | |
| Transmission Rate | – | – | – | – | – | – | 54 Mbps (max.) with auto fallback (54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps) • 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11b: 1, 2, 5.5, 11 Mbps | | |
| Transmission Distance | – | – | – | – | – | – | Up to 100 meters (@ 11 Mbps in open areas) | | |
| Wireless Security | – | – | – | – | – | – | WEP: 64-bit/128-bit, WPA, WPA2 data encryption | | |
| WLAN Modes | – | – | – | – | – | – | Ad-hoc (802.11b/g), Infrastructure | | |
| Cellular Interface | | | | | | | | | |
| Cellular Modes | GSM, GPRS, EDGE | GSM/GPRS/EDGE | GSM/GPRS/EDGE | GSM/GPRS/EDGE | GSM, GPRS | GSM, GPRS | – | – | – |
| Radio Frequency Bands | 850/900/1800/1900 MHz | 850/900/1800/1900 MHz | 850/900/1800/1900 MHz | 850/900/1800/1900 MHz | 850/900/1800/1900 MHz | 850/900/1800/1900 MHz | – | – | – |
| GPRS Class | 12 | 12 | 12 | 12 | 10 | 10 | – | – | – |
| EDGE Class | 12 | 12 | 12 | 12 | – | – | – | – | – |
| Coding Schemes | CS1 to CS4 | CS1 to CS4 | CS1 to CS4 | CS1 to CS4 | CS1 to CS4 | CS1 to CS4 | – | – | – |
| Serial Interface | | | | | | | | | |
| RS-232/422/485 Ports | 2 (DB9-M) | 1 (DB9-M) | 2 (DB9-M) | 1 (DB9-M) | 1 (DB9-M) | 2 (DB9-M) | 1 (DB9-M) | 2 (DB9-M) | 4 (DB9-M) |
| ESD Protection | 15 KV | 15 KV | 15 KV | 15 KV | 15 KV | 15 KV | 15 KV | 15 KV | 15 KV |
| Console Port | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Serial Communication Parameters | Data Bits: 5, 6, 7, 8; Stop Bits: 1, 1.5, 2; Parity: None, Even, Odd, Space, Mark | | | | | | | | |
| Flow Control | RTS/CTS, XON/XOFF, ADDC™ | | | | | | | | |
| Baudrate | 50 bps to 921.6 Kbps (non-standard baudrates supported) | | | | | | | | |
| LEDs | | | | | | | | | |
| System | Ready, SD | | | | | | Ready, SD | | |
| LAN | 10M, 100M | | | | | | 10M, 100M | | |
| WLAN | – | | | | | | Enable, Signal Strength | | |
| Cellular | Enable, Signal Strength | | | | | | – | | |
| Serial | TxD, RxD | | | | | | TxD, RxD | | |
| Physical Characteristics | | | | | | | | | |
| Housing | Aluminum (1 mm) | Aluminum (1 mm) | Aluminum (1 mm) | Aluminum (1 mm) | Aluminum (1 mm) | Aluminum (1 mm) | Aluminum (1 mm) | Aluminum (1 mm) | Aluminum (1 mm) |
| Weight | 1 kg | 1 kg | 195 g | 195 g | 195 g | 195 g | 170 g | 185 g | 390 g |
| Dimensions | 144 x 119 x 40 mm | 144 x 119 x 40 mm | 144 x 119 x 40 mm | 144 x 119 x 40 mm | 77 x 111 x 26 mm | 77 x 111 x 26 mm | 77 x 111 x 26 mm | 77 x 111 x 26 mm | 150 x 100 x 38 mm |
| Mounting | DIN-Rail, wall | DIN-Rail, wall | DIN-Rail, wall | DIN-Rail, wall | DIN-Rail, wall | DIN-Rail, wall | DIN-Rail, wall | DIN-Rail, wall | DIN-Rail, wall |
| Antenna Length | 85 mm | 85 mm | 85 mm | 85 mm | 84 mm | 84 mm | – | – | – |
| Environmental Limits | | | | | | | | | |
| Operating Temperature | -10 to 60°C | | Wide temperature (by request) | | -10 to 60°C | -10 to 60°C | -10 to 60°C | -10 to 60°C | -10 to 60°C |
| Storage Temperature | -20 to 80°C | | Wide temperature (by request) | | -20 to 80°C | -20 to 80°C | -20 to 80°C | -20 to 80°C | -20 to 80°C |
| Ambient Relative Humidity | 5 to 95% (non-condensing) | | | | | | | | |
| Anti Vibration / Shock | 6 g's with DIN-Rail / 20 g's with wall mount | | 2/6 g's with DIN-Rail / 20 g's with wall mount | | 5 g's / 50 g's | 5 g's / 50 g's | 5 g's / 50 g's | 5 g's / 50 g's | 5 g's / 50 g's |
| Standards and Certifications | | | | | | | | | |
| Safety | EN 60950-1, CSA C22.2 No. 60950-1-03 | | | | UL 60950-1, EN 60950-1, CSA C22.2 No. 60950-1-03 | | UL 60950-1, EN 60950-1 | | |
| EMC | EN 55022 Class B, EN 61000-3-2 Class A, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class B | | | | EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024, FCC Part 15 Subpart B Class A | | EN 55022 Class A, EN 61000-3-2, EN 61000-3-3, EN 55024 | | |
| Radio | EN 301 489-1, EN 301 489-7, EN 301 511 | | | | EN 301 489-1, EN 301 489-7, EN 301 511 | | EN 301 489-1/17, EN 301 893, EN 300 328, EN 50392, FCC Part 15, Subpart C/E | | |
| Wheeled Vehicles | – | – | – | – | – | – | e-Mark (e13) | | – |
| Green Product | RoHS, CRoHS, WEEE | | | | | | | | |
| Reliability | | | | | | | | | |
| Buzzer, RTC, WDT | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Warranty | 5 years (see www.moxa.com/warranty) | | | | | | | | |