

## Feature Comparison



Product Feature	E-16D	E-5D	E-2D	E-MINI-LXO	E-MICRO	E-1W
<b>Internal/Integrated Sensors</b>	3	2	0	0	2	0
Temperature	✓ (internal)	✓ (internal)	N/A	N/A	✓ (integrated)	N/A
Humidity	✓ (internal)	✓ (internal)	N/A	N/A	✓ (integrated, optional)	N/A
Power	✓ (internal)	✓ (optional battery only)	✓ (optional battery only)	✓ (optional battery only)	N/A	N/A
<b>Sensor Ports – RJ45/RJ11</b>	16 RJ45	5 RJ45	2 RJ45	2 RJ45 For temperature/humidity only	2 RJ45 For temperature/humidity only	2 RJ11 (6P4C) For daisy-chaining 24 single-reading temperature/humidity/dew point, thermocouple, or digital input expanders
<b>Digital Inputs – Screw Terminal</b>	8	5	5	5	2	2
<b>Output Relays – Screw Terminal</b>	4	2	1	1	N/A	N/A
<b>Auxiliary (12V) Power Terminal</b>	✓	✓	✓	N/A	N/A	N/A
<b>Alerts</b>	10 Methods	9 Methods	9 Methods	8 Methods	5 Methods	5 Methods
Email	✓ Alerts sent to up to 17 email addresses	✓ Alerts sent to up to 17 email addresses	✓ Alerts sent to up to 17 email addresses	✓ Alerts sent to up to 17 email addresses	✓ Alerts sent to up to 9 email addresses	✓ Alerts sent to up to 9 email addresses
Web Page	✓	✓	✓	✓	✓	✓
SNMP traps	✓ - v1, v2c, v3	✓ - v1, v2c, v3	✓ - v1, v2c, v3	✓ - v1, v2c, v3	✓ - v1, v2c	✓ - v1, v2c
Syslog	✓	✓	✓	✓	✓	✓
LEDs	6 (Power, Low Battery, Check Log, Internal Sensor Alert, External Sensor Alert, Auxiliary)	2 (Power, Fault)	2 (Power, Fault)	2 (Power, Fault)	N/A	N/A
Alarm beacon	✓ (dedicated terminal)	✓ (one terminal for either purpose)	Can be connected (using output relay)	Can be connected (using output relay)	N/A	N/A
Siren	✓ (dedicated terminal)					
Voice Phone Calls	✓ - via Automatic Voice Dialer System (not included)	✓ - via Automatic Voice Dialer System (not included)	✓ - via Automatic Voice Dialer System (not included)	✓ - via Automatic Voice Dialer System (not included)	N/A	N/A
SMS Messages	✓ - via external USB 3G modem (not included) Alerts sent to up to 17 numbers	✓ - via external USB 3G modem (not included) Alerts sent to up to 17 numbers	✓ - via external USB 3G modem (not included) Alerts sent to up to 17 numbers	✓ - via external USB 3G modem (not included) Alerts sent to up to 17 numbers	✓ - email-to-SMS alerts	✓ - email-to-SMS alerts
Android App	✓ - optional E-APP-ANDROID	✓ - optional E-APP-ANDROID	✓ - optional E-APP-ANDROID	N/A	✓ - optional E-APP-ANDMD	N/A
<b>Smart Alerts</b>	20	20	20	20	1	1
<b>IP Cameras</b>	✓ - up to 8 cameras	✓ - up to 8 cameras	✓ - up to 8 cameras	✓ - up to 8 cameras	✓ - up to 4 cameras	✓ - up to 4 cameras
<b>Alarm Triggered IP Camera Snapshots Emailed</b>	✓	✓	✓	✓	N/A	N/A
<b>Alarm Silence/Test Button</b>	✓	✓	N/A	N/A	N/A	N/A

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<b>Control Methods</b>	6 Methods	6 Methods	5 Methods	5 Methods	3 Methods	3 Methods
Web Interface	✓	✓	✓	✓	✓	✓
Telnet	✓	✓	✓	✓	✓ - monitoring only	✓ - monitoring only
SNMP Monitoring	✓ - v1, v2c, v3	✓ - v1, v2c, v3	✓ - v1, v2c, v3	✓ - v1, v2c, v3	✓ - v1, v2c	✓ - v1, v2c
SSH	✓	✓	✓	✓	N/A	N/A
USB-to-Serial Console	✓	✓	✓	✓	N/A	N/A
RS232 (DCE) Console	✓	✓	N/A	N/A	N/A	N/A
<b>USB Ports for Modem and/or Data Logging</b>	4	4	2	2	reserved for future use	reserved for future use
<b>Flash Upgrade</b>	✓	✓	✓	✓	✓	✓
<b>Linux Inside</b>	✓	✓	✓	✓	N/A	N/A
<b>Restore Defaults Button</b>	✓	✓	✓	✓	N/A	✓
<b>System Reset Button</b>	✓	✓	✓	✓	N/A	N/A
<b>Protocols</b>	HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS v1.2, LDAPv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0, RADIUS	HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS v1.2, LDAPv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0, RADIUS	HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS v1.2, LDAPv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0, RADIUS	HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS v1.2, LDAPv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0	HTTP/HTTPS, SNMP V1/V2c, SMTP, TCP/IP, Syslog, SNTP, DHCP, TLS v1.2, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour	HTTP/HTTPS, SNMP V1/V2c, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSLv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour
<b>Operating Temperature</b>	32°F to 100°F (0°C to 38°C)	E-5D: 32 to 140°F (0 to 60°C) E-5DB: 32 to 104°F (0 to 40°C) E-5DB-IND: 32 to 140°F (0 to 60°C)	32°F to 100°F (0°C to 38°C)	32°F to 104°F (0°C to 40°C) Optional industrial model: 32°F to 167°F (0°C to 75°C).	-4 to 167°F (-20 to 75°C)	-4 to 167°F (-20 to 75°C)
<b>Storage Temperature</b>	-22°F to 140°F (-30°C to 60°C)	E-5D: -22 to 140°F (-30 to 60°C) E-5DB-IND: -4 to 176°F (-20 to 80°C)	-22°F to 140°F (-30°C to 60°C)	-20°F to 176°F (-20°C to 80°C)	-4 to 167°F (-20 to 75°C)	-4 to 167°F (-20 to 75°C)
<b>Operating &amp; Storage Relative Humidity</b>	17 to 90% non-condensing RH	17 to 90% non-condensing RH	17 to 90% non-condensing RH	17 to 90% non-condensing RH	0 to 90% non-condensing RH)	0 to 90% non-condensing RH
<b>Backup Battery</b>	✓ - up to 1 Hour	Optional – up to 2 Hours	Optional – up to 2 Hours	Optional – up to 2 Hours	N/A	N/A
<b>Monitor (Ping) IP Devices</b>	✓ - up to 64 network devices	✓ - up to 64 network devices	✓ - up to 64 network devices	✓ - up to 16 network devices	✓ - up to 4 network devices	✓ - up to 4 network devices
<b>Power</b>	<ul style="list-style-type: none"> <li>• 110 or 230 VAC at 50 or 60 Hz via IEC connector.</li> <li>• Options: dual AC power, 24VDC, dual 24VDC 48VDC, dual 48VDC .                             <ul style="list-style-type: none"> <li>o 24V options: accepts 20~32VDC</li> <li>o 48V options: accepts 36~72VDC</li> <li>o Dual power options: second power supply sold separately.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 110 or 220 VAC at 50 or 60 Hz via AC adapter.</li> <li>• Options: dual AC power, 48VDC .                             <ul style="list-style-type: none"> <li>o 48V option: accepts 18~72VDC.</li> <li>o Dual power options: second power supply sold separately.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 110 or 220 VAC at 50 or 60 Hz via AC adapter.</li> <li>• Options: dual AC power, 24VDC .                             <ul style="list-style-type: none"> <li>o 24V option: accepts 9~36VDC.</li> <li>o Dual power options: second power supply sold separately.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• 110 or 220 VAC at 50 or 60 Hz via AC adapter</li> </ul>	<ul style="list-style-type: none"> <li>• 110 or 240 VAC at 50 or 60 Hz via AC adapter.</li> <li>• E-MICRO-T: Dual DC power (Second power supply sold separately).</li> <li>• E-MICRO-TRH: Power over Ethernet (PoE), Dual DC power (AC adapters not included, sold separately).</li> </ul>	<ul style="list-style-type: none"> <li>• 110 or 240 VAC at 50 or 60 Hz via AC adapter.</li> <li>• E-1W: Dual DC power (Second power supply sold separately)</li> <li>• E-1WP: Power over Ethernet (PoE), Dual DC power (AC adapters not included, sold separately)</li> </ul>

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<b>Languages Supported:</b>	English, German, Chinese, Japanese	English, German, Chinese, Japanese	English, German, Chinese, Japanese	English	English	English
<b>MTBF</b>	39,685 hours	170,344 hours	229,580 hours	274,783 hours	648,857 hours	703,871 hours
<b>Dimensions WxDxH (in)</b>	Without supplied rackmount kit : 16.19x10.01x1.75 With supplied rackmount kit: 19x10.01x1.75	E-5D: 7.88x3x1.75 E-5D-48V: 10.25x3.1x1.75 E-5DB-IND: 10.25x3.1x1.75	5.82x3x1.75	5.82x3x1.75	4x3.44x1.37	4x3.65x1.37
<b>Mounting</b>	1RU	<ul style="list-style-type: none"> <li>Zero-RU – mounting tabs included</li> <li>Optional 1RU mounting kit</li> <li>Optional DIN rail mounting kit</li> </ul>	<ul style="list-style-type: none"> <li>Zero-RU – mounting tabs included</li> <li>Optional 1RU mounting kit</li> <li>Optional DIN rail mounting kit</li> </ul>	<ul style="list-style-type: none"> <li>Zero-RU – mounting tabs included</li> <li>Optional 1RU mounting kit</li> <li>Optional DIN rail mounting kit</li> </ul>	<ul style="list-style-type: none"> <li>Mounting hole to match rack hole spacing</li> </ul>	<ul style="list-style-type: none"> <li>Mounting hole to match rack hole spacing</li> </ul>
<b>Regulatory Approvals</b>	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS
<b>Warranty</b>	2 years	2 years	2 years	2 years	2 years	2 years
<b>Expandable</b>	✓	✓	✓	✓	✓	✓
<b>Management Software</b>	<ul style="list-style-type: none"> <li>✓ - Optional E-MNG-xxxx</li> <li>Monitor and configure up to 3,000 E-2D/5D/16D, E-MICRO, E-1W, IPDU-S4/8 units and all connected sensors.</li> </ul>	<ul style="list-style-type: none"> <li>✓ - Optional E-MNG-xxxx</li> <li>Monitor and configure up to 3,000 E-2D/5D/16D, E-MICRO, E-1W, IPDU-S4/8 units and all connected sensors.</li> </ul>	<ul style="list-style-type: none"> <li>✓ - Optional E-MNG-xxxx</li> <li>Monitor and configure up to 3,000 E-2D/5D/16D, E-MICRO, E-1W, IPDU-S4/8 units and all connected sensors.</li> </ul>	N/A	<ul style="list-style-type: none"> <li>✓ - Optional E-MNG-LC</li> <li>Monitor and configure up to 3,000 E-MICRO and E-1W units, and all connected sensors.</li> </ul> <ul style="list-style-type: none"> <li>E-MNG-xxxx</li> <li>Monitor and configure up to 3,000 E-2D/5D/16D, E-MICRO, E-1W, IPDU-S4/8 units and all connected sensors</li> </ul>	<ul style="list-style-type: none"> <li>✓ - Optional E-MNG-LC</li> <li>Monitor and configure up to 3,000 E-MICRO and E-1W units, and all connected sensors.</li> </ul> <ul style="list-style-type: none"> <li>E-MNG-xxxx</li> <li>Monitor and configure up to 3,000 E-2D/5D/16D, E-MICRO, E-1W, IPDU-S4/8 units and all connected sensors</li> </ul>
<b>Cascade</b>	<ul style="list-style-type: none"> <li>✓ - Optional Up to 5 units Ethernet (1 master, 4 slaves)</li> </ul>	<ul style="list-style-type: none"> <li>✓ - Optional Up to 5 units Ethernet (1 master, 4 slaves)</li> </ul>	<ul style="list-style-type: none"> <li>✓ - Optional Up to 5 units Ethernet (1 master, 4 slaves)</li> </ul>	N/A	<ul style="list-style-type: none"> <li>✓ - Optional Use as standalone unit or as an IP-connected remote sensor for the E-2D/5D/16D</li> </ul>	N/A

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<b>Additional Sensor Ports (not included)</b>	<p>Up to 16 E-DI16DO16 or E-DI16DOR16 units</p> <ul style="list-style-type: none"> <li>• E-DI16DO16                             <ul style="list-style-type: none"> <li>o 16 digital inputs</li> <li>o 16 output relays (open-collector)</li> </ul> </li> <li>• E-DI16DOR16                             <ul style="list-style-type: none"> <li>o 16 digital inputs</li> <li>o 16 output relays (N.O.)</li> </ul> </li> </ul>	<p>Up to 16 E-DI16DO16 or E-DI16DOR16 units</p> <ul style="list-style-type: none"> <li>• E-DI16DO16                             <ul style="list-style-type: none"> <li>o 16 digital inputs</li> <li>o 16 output relays (open-collector)</li> </ul> </li> <li>• E-DI16DOR16                             <ul style="list-style-type: none"> <li>o 16 digital inputs</li> <li>o 16 output relays (N.O.)</li> </ul> </li> </ul>	<p>Up to 16 E-DI16DO16 or E-DI16DOR16 units</p> <ul style="list-style-type: none"> <li>• E-DI16DO16                             <ul style="list-style-type: none"> <li>o 16 digital inputs</li> <li>o 16 output relays (open-collector)</li> </ul> </li> <li>• E-DI16DOR16                             <ul style="list-style-type: none"> <li>o 16 digital inputs</li> <li>o 16 output relays (N.O.)</li> </ul> </li> </ul>	N/A	N/A	<p>Daisy-chain compatible sensors in any combination</p> <ul style="list-style-type: none"> <li>• Up to 24 temperature, thermocouple, or any single-reading 1-wire sensor can be connected</li> <li>• Up to 8 temperature/humidity/dew point combination 1-wire sensors can be connected</li> <li>• Up to 12 E-DI2-1W digital input expanders can be connected to allow a maximum of 24 additional digital inputs.</li> </ul>
<b>Starting Price</b>	\$1,215	\$520	\$370	\$305	\$185	\$162