| thormo | Technical Data Sheet Connect Edge Gateway Kits |
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| thermo scientific | Thermo Fisher Scientific, Asheville, North Carolina |
| scientific | |
| | Revision A |
| Specifications | Catalog Number and Production Model Number Connect Edge Gateway Kit – EDGEKTETHE01 Connect Edge Gateway Kit – EDGEKTWIFI01 |
| | Application, Rating and Electrical Data |
| t Contents | 1x Connect Edge gateway, EDGEKTETHE01 (PN: EDGEPTGATE01) EDGEKTWIFI01 (PN: EDGEPTGATE02) 2x External antennas, EDGEKTWIFI01 only (PN: EDGEPTANTD01) 1x Power supply, plugs, and cable (PN: EDGEPTPWRS01) 1x Cuick Start Guide (PN: EDGEPTINST001) 1x Quick Start Guide (PN: EDGEPTINST001) 1x DIN Rail mount 1x Ethernet cable |
| Application | Wired or wireless monitoring solution for laboratory equipment utilizing the Thermo Connect cloud environment for 24/7 remote monitoring and notifications. Connection to equipment via Connect Edge adapters. |
| Application Environment | Non-corrosive, non-flammable, non-explosive, good air ventilation Operating temperature range: 0°C to +40°C |
| Ambient Operating Temperature | Operating humidity range: 8% to 90% RH (non-condensing) |
| Indoor/Outdoor Usage | Indoor use only |
| Device Mounting | Device can be mounted to any flat surface and secured via mounting bracket screw slots. |
| | Optionally DIN rail mount included. |
| Instrument Connections | Connect 10 or more instruments using Connect Edge Adapter (separate kit) |
| | Power Adapter and Specifications |
| Power Adapter Model Power Adapter Rating/Specifications | Sunny Electronics, MODEL – SYS1541-2424 |
| | AC Voltage Input: 100-240 V AC, 50/60Hz - 0.5A |
| Power Adapter Wire Length | DC Voltage Output: 24 V DC - 1000 mA 1.5 m (5 ft) |
| Power Adapter Dimensions, Mass | 93.5 x 46 x 35.8 mm (3.68 x 1.81 x 1.41 in), 135 g (4.76 oz) |
| Tower Adapter Dimensions, Mass | Networking Requirements |
| Connection Type | Wi-Fi or Ethernet (LAN) connection |
| Supported Wi-Fi Protocols | WPA Enterprise (802.1x support); WPA2-PSK |
| Wi-Fi Bands and Frequency | Wi-Fi (802.11b,g,n) by default; 2.4GHz and 5.0GHz ISM band operation |
| Hosting Protocols | DHCP and DNS; NTP externally sourced. Device transmits via MQTTS periodically. |
| Required Ports | Ports 443 (HTTPS/MQTTS) |
| | Gateway Hardware Design and Connection Ports |
| Main Controller | Connect Edge Gateway |
| Indicators and Buttons | Power, Cellular, and Status 1 – Status 4 LEDs Restore Button: Restore network or system to factory state Reset Button: Force gateway reboot |
| LAN Ports | LAN (Label ETH 1): 10/100 Ethernet (For Internet. Optionally for Instrument / local UI access) |
| | LAN (Label ETH 0): 10/100 Ethernet (For Instrument / local UI access) |
| USB Ports | 3x USB ports for Connect Edge Adapter configuration |
| I/O Ports | Not used |
| Dimensions, Mass | 139 x 115 x 46 mm (5.47" x 4.53" x 1.81"), 210 g (7.4 oz) |
| | Datalogging, Alarms, and Notifications |
| Device Storage | Data logged will be uploaded to the cloud when a network connection is reestablished; |
| Demete Assess D/ 11 | Approximately 3 days storage capacity or 100,000 messages during a network outage1 |
| Remote Access Platform | InstrumentConnect™ mobile and web platforms Internet Explorer™ (10 and later), Google Chrome™ (25 and later), Mozilla Firefox™ (16 and later), Apple Safari™ (7 and late |
| Supported Web Browsers Notifications | Internet Explorer (10 and later), Google Chrome (25 and later), Mozilla Firefox (16 and later), Apple Safari (7 and late Sent via email, web notification, and mobile push notifications |
| Reports | Reports in either .csv or .pdf available for download via InstrumentConnect web-based application |
| | Standards and Regulations |
| | Contains FCC ID: UKMMRG1012, Contains IC: 21442-MRG1012 |
| FCC / IC IDs | EDGEKTETHE01: CE, UKCA, FCC, IC, RCM, EAC, UL, WEEE & ROHS |
| FCC / IC IDs Certification Marks | EDGENTETHEUT. CE, UNCA, FCC, IC, RCM, EAC, UL, WEEE & ROHS |
| | EDGEKTWIFI01: CE, UKCA, FCC, IC, RCM, MIC, CMIT, NOM/NYCE, UL, WEEE & ROHS |
| | EDGEKTWIFI01: CE, UKCA, FCC, IC, RCM, MIC, CMIT, NOM/NYCE, UL, WEEE & ROHS Compliance per Declaration of Conformity 47 CFR § 2.1077 |
| Certification Marks EMC | EDGEKTWIFI01: CE, UKCA, FCC, IC, RCM, MIC, CMIT, NOM/NYCE, UL, WEEE & ROHS Compliance per Declaration of Conformity 47 CFR § 2.1077 FCC 47 CFR Part 15, ISED ICES-003 |
| Certification Marks EMC Safety | EDGEKTWIFI01: CE, UKCA, FCC, IC, RCM, MIC, CMIT, NOM/NYCE, UL, WEEE & ROHS Compliance per Declaration of Conformity 47 CFR § 2.1077 FCC 47 CFR Part 15, ISED ICES-003 EN 62368, UL 610101-1 |
| Certification Marks EMC Safety Power Adapter Certifications | EDGEKTWIFI01: CE, UKCA, FCC, IC, RCM, MIC, CMIT, NOM/NYCE, UL, WEEE & ROHS Compliance per Declaration of Conformity 47 CFR § 2.1077 FCC 47 CFR Part 15, ISED ICES-003 EN 62368, UL 610101-1 CE, UKCA, EAC, FCC, IC, RCM, CCC, GS, PSE, TUV, ISI, UL, WEEE & ROHS |
| Certification Marks EMC Safety Power Adapter Certifications Country of Origin | EDGEKTWIFI01: CE, UKCA, FCC, IC, RCM, MIC, CMIT, NOM/NYCE, UL, WEEE & ROHS Compliance per Declaration of Conformity 47 CFR § 2.1077 FCC 47 CFR Part 15, ISED ICES-003 EN 62368, UL 610101-1 |

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