

EAC Mini EACFA20 – Android-Based IoT Gateway

EAC Mini Series

Connect Everything, Control Everywhere

EAC Mini EACFA20 is an Android-based industrial IoT gateway with low power consuming Freescale Cortex A9 i.MX6 processing and excellent expansion possibilities. Expansion modules offers rich options for additional serial interfaces such as CANBus, DIDO, Wi-Fi and 4G LTE. Wireless connectivity and all necessary connectors allow the EAC mini (EACFA20) to send data from manufacturing facilities directly to cloud servers. Compact size and rich expansion options make the EAC Mini Freescale suitable for IoT, smart factory and machine automation applications.



Highlights

- Freescale Cortex A9 i. MX6 Dual Core 1GHz
- Fanless cooling system
- 100 x 70 x 31 mm (w/o mounting bracket)
- Compact size
- Various mounting options: desk, wall, VESA
- Suitable for smart factory applications

Ordering information

| | |
|------------------|--|
| EACFA20-100-F116 | Freescale Cortex i.MX6, 1G RAM, 16GB eMMC, 2 x USB 2.0, 2 x GbE LAN, 1 x HDMI |
| EACFA20-101-F116 | Freescale Cortex i.MX6, 1G RAM, 16GB eMMC, 2 x USB 2.0, 2 x GbE LAN, 1 x HDMI, Wi-Fi |
| EACFA20-102-F116 | Freescale Cortex i.MX6, 1G RAM, 16GB eMMC, 2 x USB 2.0, 2 x GbE LAN, 1 x HDMI, 4G |

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System Specifications

| | |
|------------------|---|
| CPU | Freescale Cortex® A9 i.MX6 Dual Core 1GHz |
| System Memory | 1GB up to 2GB |
| Operating System | Android 6.0 |

Storage

| | |
|------|----------------------------------|
| eMMC | Default Onboard 16GB, up to 64GB |
|------|----------------------------------|

Interface

| | |
|--------------|---|
| Ethernet LAN | 2 x Giga LAN RJ45 Connector |
| USB | 2 x USB Type-A 2.0 1 x USB 2.0 OTG (Micro USB) |
| Video | 1 x HDMI |
| Power Input | Terminal Block / 2 Pin |

Power Management

| | |
|----------------------|---------------------------------|
| Power Input | 9–36 V DC, 2 pin Terminal Block |
| Grounding Protection | Chassis Grounding |

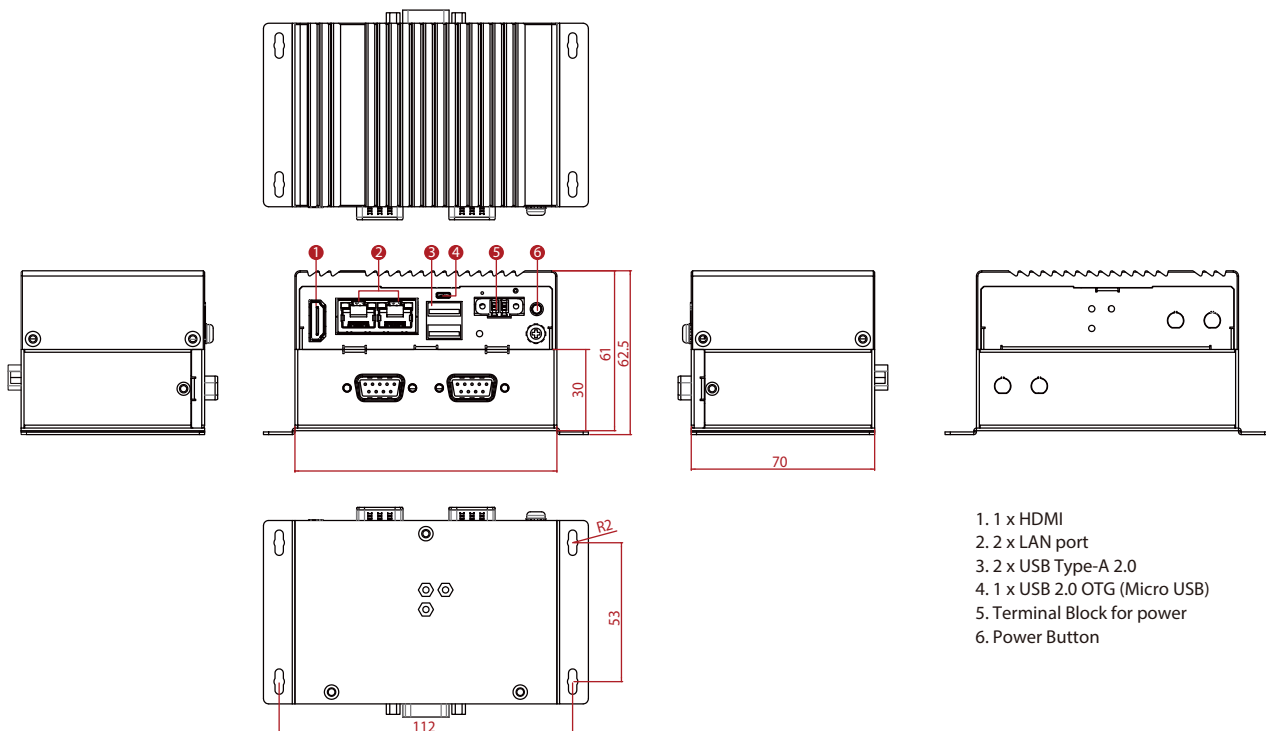
Buttons and LED Indicators

| | |
|----------------|-------------------------------|
| LED Indicators | 1 x Power |
| Buttons | 1 x Power 1 x Reset Button |

Mechanical Specifications

| | |
|----------------|---|
| Dimensions | 100 x 70 x 31mm (One Layer), 100 x 70 x 61mm (Two Layers) |
| Weight | 0.4 kg (One layer), 0.5 kg (Two layers) |
| Housing | Metal |
| Mounting | Desk Mounting (Default), Wall Mounting (Default), VESA Mounting (Optional), DIN-Rail Mounting(Optional) |
| Cooling System | Fanless |
| Enclosure | Metal Housing |

Drawing



Environment

| | |
|-----------------------|----------------------------|
| Operating Temperature | -15~55°C |
| Storage Temperature | -25~70°C |
| Operating Humidity | 10~90% RH (non-condensing) |
| Shock | Operating, IEC60068-2-27 |
| Vibration | Operating, IEC60068-2-64 |
| IP Rating | IP30 |

Standards and Certification

| | |
|--------------|---------|
| EMC & Safety | CE, FCC |
|--------------|---------|

Expansion Module (Optional)

| | |
|-------------|-------------------------------------|
| EACWSLT-222 | 4G |
| EACWSLT-223 | 3G |
| EACWSLT-231 | 3-port RS232/422/485 w/ isolation |
| EACWSLT-232 | 16-Channel Digital I/O w/ isolation |
| EACWSLT-233 | 2-port CANBUS w/ isolation |
| EACWLSL-234 | 4-port USB 2.0 |
| EACWLSL-235 | 2-port RS232/422/485 w/ isolation |
| EACWLSL-236 | 2-port Giga-LAN |
| EACWLSL-237 | 4G (Dual SIM Card Slot) |

Accessories

Standard Accessories

| | |
|------------------------------------|--|
| Quick Start Guide | |
| Driver CD | |
| Terminal Block 2 pin to 2.5 Female | |
| Adapter Cable | |

Optional Accessories

| | |
|-----------------------|---------------|
| WLAN External Antenna | 397SM0000002 |
| WWAN External Antenna | 397000000000H |
| AC Adapter 12V/36W | 922D036W12V6 |
| VESA Mounting Kit | 98K000A0009A |
| DIN Rail Mounting Kit | 98K000A00099 |