

# 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
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### 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

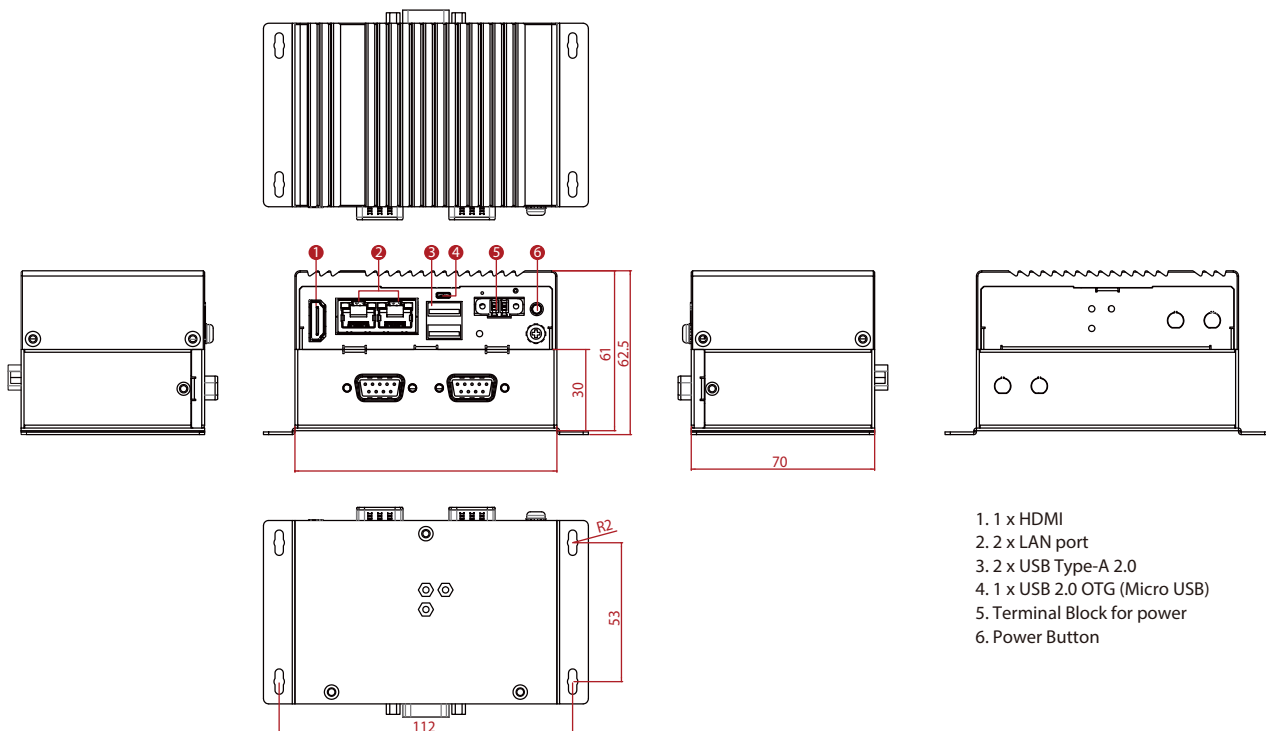
### Buttons and LED Indicators

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



1. 1 x HDMI
2. 2 x LAN port
3. 2 x USB Type-A 2.0
4. 1 x USB 2.0 OTG (Micro USB)
5. Terminal Block for power
6. Power Button

### 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
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### 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