EAC Mini EACFA20 - ARM-Based IoT Gateway

Connect Everything, Control Everywhere

EAC Mini EACFA20 is an ARM-based industrial IoT gateway with low power consuming NXP 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. This ARM-based IoT gateway features Android, Linux, and Ubuntu operating system choices. Compact size and rich expansion options makes the EACFA20 suitable for IoT, smart factory and machine automation applications. The EACFA20 is Microsoft Azure Certified for IoT.









Highlights

- NXP A9 i.MX 6 Dual Core 1GHz
- Fanless cooling system
- Compact size 100 x 70 x 31 mm (w/o mounting bracket)
- Various mounting options: desk, wall, VESA, DIN-Rail
- Suitable for smart factory applications
- Microsoft Azure Certified for IoT





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System Specifications

NXP A9 i.MX 6 Dual Core 1GHz

System Memory 1GB up to 2GB

Storage

eMMC Onboard 16GB (default), up to 32GB

Interface

USB 2 x USB Type-A 2.0

1 x USB 2.0 OTG (Micro USB) Ethernet LAN 2 x Giga LAN RJ45 Connector*

HDMI 1 x HDMI (Optional) Power Input Terminal Block / 2 Pin

Power Management

Power Input 9~36 V DC, 2 pin Terminal Block

Grounding Prodection Chassis Grounding

Buttons and LED Indicators

LED Indicators 1 x Power

1 x Power Button Buttons 1 x Reset Button

Mechanical Specifications

Dimensions 100 x 70 x 31mm

Weight 0.4 kg

Desk Mounting (Default), Wall Mounting (Default), Mounting

VESA Mounting (Optional),

DIN-Rail Mounting(Optional) Coolina System Fanless

Metal Housing Enclosure

Environment

0~55°C Operarting Temperature Storage Temperature

Operating Humidity 10~90% RH (non-condensing) Operating, IEC60068-2-27 Vibration Operating, IEC60068-2-64

IP Rating

Standards and Certification

IoT Microsoft Azure Certified for IoT

Operating System (Optional)

Android 6.0*

Ubuntu 18.04

Expansion Module (Optional)

EACWSLT-222 WWAN Expansion Board (Single SIM Slot) EACWSLT-231 3-port RS232/422/485 w/ isolation 16-Channel Digital I/O w/ isolation **EACWSLT-232** 2-port CANBUS w/ isolation **EACWSLT-233**

3-port USB 2.0 EACWLST-234

2-port RS232/422/485 w/ isolation EACWLST-235

Accessories

Standard Accessories

91521110103.1 **Quick Start Guide** Terminal Block 2 pin to 2.5ØFemale Adapter Cable 94J602G020K2 Open Wire Cable with terminal block 2 pin connector 94EL02X020E0 WLAN External Antenna (For EACFA20-101-F116) 397SM000000D WWAN External Antenna (For EACFA20-102-F116) 397SM000000C

Optional Accessories

DIN Rail Mounting Kit 98K000A00099 VESA Mounting Kit 98K000A0009A AC Adapter 12V/36W 922D036W12V6

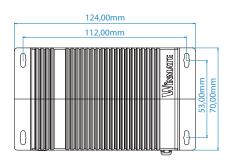
Note: *The Android OS option for EACFA20 will only support 1 x LAN

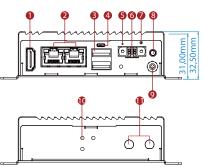
Order information	
EACFA20-100-F116	NXP i.MX6, 1G RAM, 16GB eMMC, 2 x USB 2.0, 2 x GbE LAN, 1 x HDMI (Optional)
EACFA20-101-F116	NXP i.MX6, 1G RAM, 16GB eMMC, 2 x USB 2.0, 2 x GbE LAN, 1 x HDMI (Optional), Wi-Fi
EACFA20-102-F116	NXP i.MX6, 1G RAM, 16GB eMMC, 2 x USB 2.0, 2 x GbE LAN, 1 x HDMI (Optional), 4G

Combination Table									
2nd layer 1st layer	WWAN(Single SIM) (EACWSLT-222)	3 ports COM (EACWSLT-231)	16 channel DIDO (EACWSLT-232)	2 ports CANBUS (EACWSLT-233)	3-ports USB (EACWSLT-234)	2 ports COM (EACWSLT-235)	2 ports Giga LAN (EACWSLT-236)		
EACFA20-100-F116	0	0	0	0	0	0	0		
EACFA20-101-F116	0	0	0	0	0	0	X		
EACFA20-102-F116	X	0	0	0	0	0	X		

O: Support X: Do not support

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. Power LED Indicator
- 6. Terminal Block for power
- 7. Reset Button
- 9. Chassis Grounding
- 8. Power Button
- 10. DIN-Rail Mounting hole
- 11. SMA (Antenna)

