

Article-No.: 135263

## Pokini G

IMX8, 2GB RAM, 16 GB eMMC, WLAN, LTE, Debian Linux

Gateway for the Internet of Things

BIG DATA - Collecting and analyzing data:

In order to schedule maintenance work on machines, data must be collected, bundled and transmitted. A gateway is needed to evaluate and transmit this data. This is exactly where the Pokini G comes in. Thanks to its passive cooling, it is robust and resistant to external influences and does not require any moving parts. Low-maintenance and silent, the continuously operable Pokini G transmits your machine and sensor data to the local network, the exone cloud or to cloud services from other providers.

### Technical data

#### Basic industrial system

manufacturer	Pokini
processor onboard	ARM
marking	Cortex A53
cores	4
clock rate	1,80 GHz
memory onboard	2 GB
memory max. size	4 GB
memory technology	LPDDR4
memory type	LP

#### interfaces in front

interfaces in front	1x USB 2.0, Micro USB (Debug/console/COM), Power-Button
USB2.0	1
current supply	Hollow plug 5,5mm x 2,5mm lockable
WLAN antenna connections	2

#### rear interfaces

USB 2.0	2
LAN (RJ45)	2
RS-232/422/485	1x RS232/RS485 (2-wire) via Terminal Block
WLAN antenna connections	1

#### internal interfaces

micro SIM slot (6 pins)	1
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#### communication

network chipset	Atheros® AR8033 PHY
transmission rate	10/100/1000 Mbps
network chipset 2	MICROCHIP LAN9514
transmission rate	10/100 Mbps
WLAN chipset	Intel® Dual Band Wireless AX200 Wi-Fi 6
WLAN transmission standard	IEEE 802.11 ax



### Highlights

- fanless
- continuous operation
- Real-Time Co-processor ARM Cortex-M4
- extremely small and compact

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WiFi usage

bluetooth	5.1
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expansion slots

Mini PCI Express (full-size)	2
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hint	1x used by WLAN module, 1x used by LTE module
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power supply

power supply	36 Watt, external
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surrounding area

operating temperature range	40°C to 80°C
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operating relative humidity	10% to 90% (non-condensing)
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storage temperature range	-40°C to 85°C
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storage relative humidity	5% to 95% (non-condensing)
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IP protection class	IP 40
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chassis

width	112 mm
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hight	25 mm
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depth	84 mm
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material	aluminium
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color	black
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weight	0,5 kg
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loudness	0 dB(A)
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certifications

CE	CE/FCC
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UL	yes
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DIN ISO EN 61000-6-1/2	Yes
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24/7 continuous operation	yes
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image stability

available until	Q1 2024
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System

Ambient conditions

noise emission	0 dB(A)
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operating temperature	-40°C to 85°C
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atmospheric humidity	0% to 95% (non-condensing)
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Certifications

conformance	CE
grade	EXTRA Computer has a quality management system which is certified according to DIN ISO 9001

Service note