

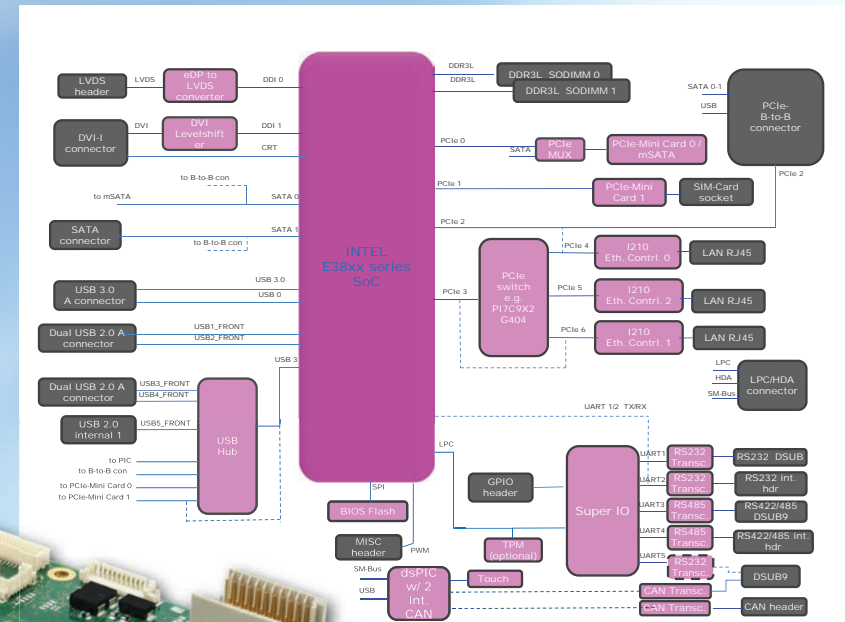
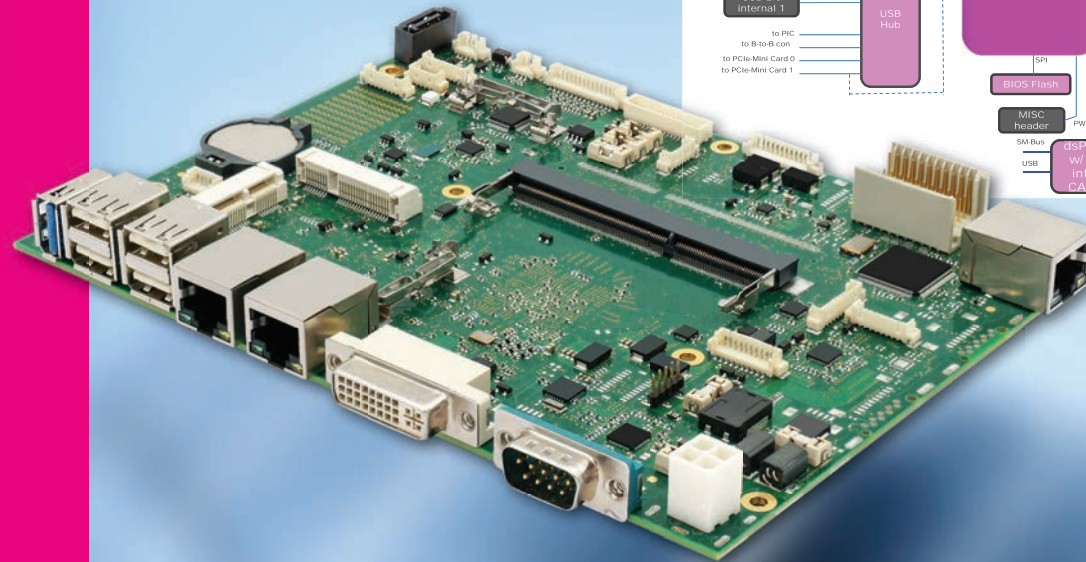
PROFIVE® F38



APPLICATIONS

Designed for fanless applications, the **PROFIVE® F38** single board computer finds its field of work in stationary and mobile devices.

- _ Rugged Industrial Systems
no rotating parts, low power
- _ Medical Solutions
Intel® Atom™ performance,
high-resolution graphics
- _ Automatic Control
scalable, long term availability,
flexible expansion
- _ Measurement
Multiple Graphics
- _ Public Terminal
Digital Signage, Multiple
Displays support



Made in Germany



E.E.P.D. 
...just embedded!

Panel-Board 135x180

SPECIFICATIONS

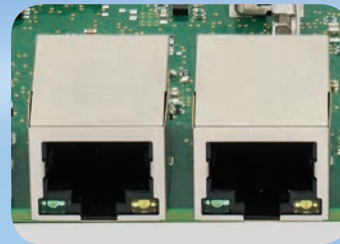
CPU	Intel® Atom™ processors E38x series Single, Dual (opt.) and Quad Core †
BIOS	UEFI-BIOS
Max. memory	Up to 8 GB DDR3L / 667 MHz
Gigabit Ethernet	Up to 3 Intel® I210 with IEEE1588
PCI Express® Mini Card	Up to 2 fullsize sockets; 1 with SIM Card socket and 1 mSATA
Serial ATA	Yes
USB ports	Up to 6 USB 2.0; 1 USB 3.0
COM ports	3 RS-232 2 RS-422/485
CAN bus	2 ports (optional)
SM / LPC bus	Yes
LVDS connector	1 dual channel 24-bit with backlight connector
DVI-I connector	Yes
Sound	4-channel HDA and headphone connector
Touch controller	Supports 4- and optional 8-wire touch panels
Health monitoring and management	Controllable fan, hardware monitoring, backlight control and Watchdog
Power supply	Min. 8 V / Max. 32 V (DC), internal power or optional 4-pin Mini DIN power
Max. operating temperature	0°C to +60°C ambient or 0°C to +70°C at any point on the surface -40°C to +85°C ambient industrial grade (optional)
Max. storage temperature	-20°C to +105°C
Max. rel. humidity	95% @ 40°C, non-condensing
Fanless	Designed for fanless operation
Size approx.	180 mm x 135 mm
OS support	Microsoft® Windows® 7; Microsoft® Windows® 10; Microsoft® Windows® 10 IoT Enterprise; Linux Ubuntu 18.04 LTS Yocto Project 2.5.1

† 15 years availability according to CPU manufacturers specification

Ordering Code CPU	Description	Type
F38LC	SBC	E3815 / 1.46 GHz / 512 KB cache / 1 RAM / 2 GbE
F38HC	SBC	E3845 / 1.91 GHz / 2 MB cache / 2 RAM / 3 GbE

other on request

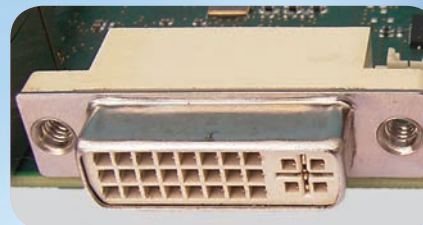
Ordering Code Memory	Description	Size
2GB-F38X	Main Memory	2 GB
4GB-F38X	Main Memory	4 GB
8GB-F38X	Main Memory	8 GB



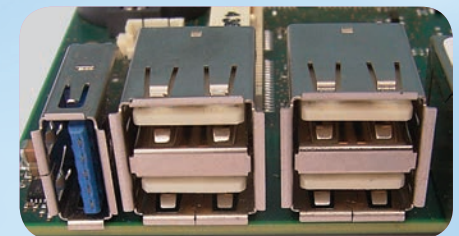
Gigabit Ethernet



PCI Express® Mini Card



DVI-I Connector



USB Ports

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LIFE SUPPORT APPLICATIONS

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