

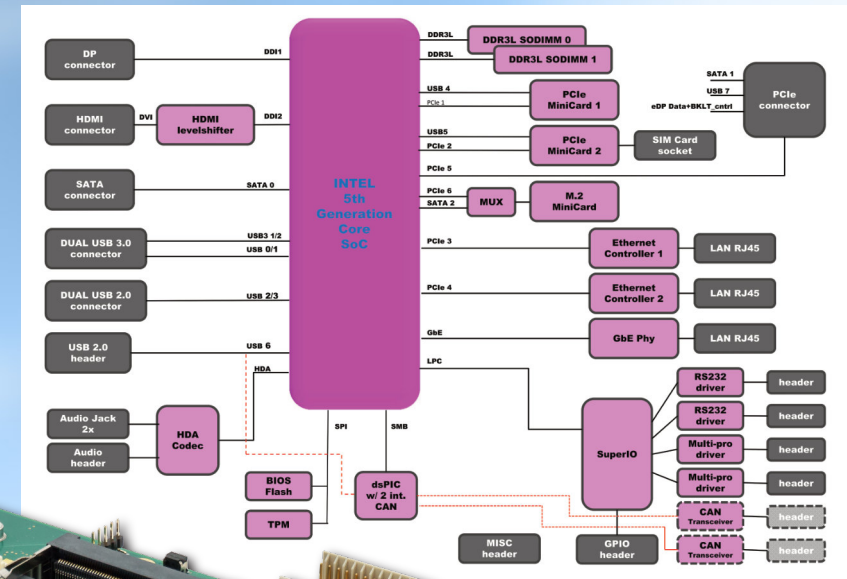
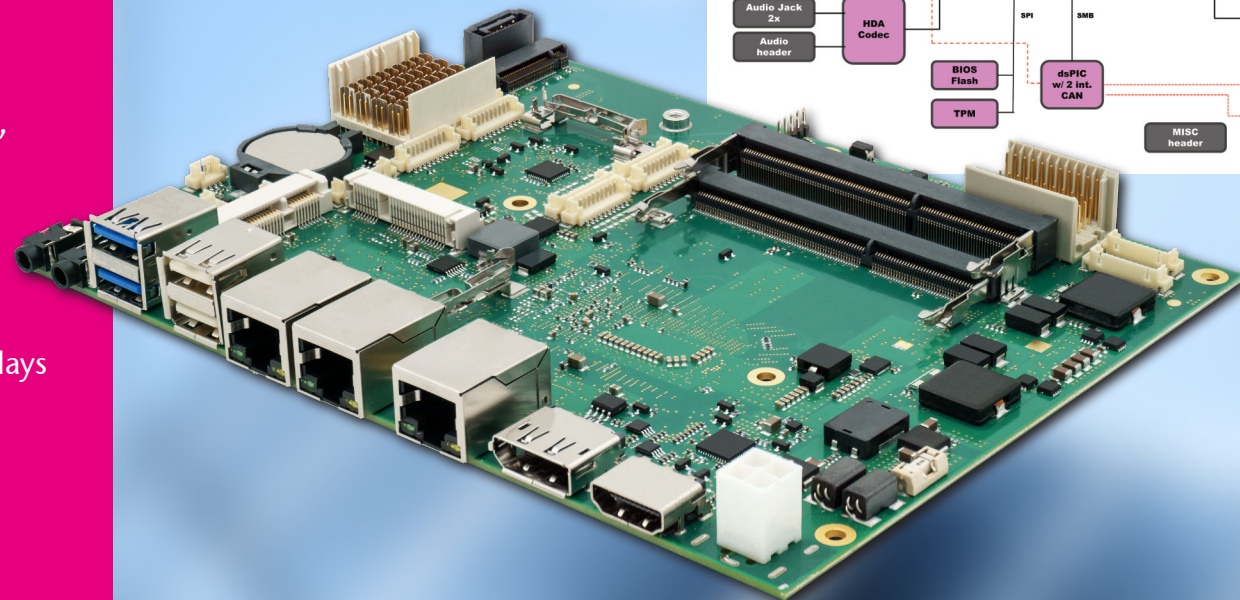
# PROFIVE® F97



## APPLICATIONS

Designed for fanless applications, the **PROFIVE® F97** single board computer finds its field of work in stationary and mobile devices.

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



HIGH QUALITY  
MADE IN GERMANY

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

# Panel-Board 135x180

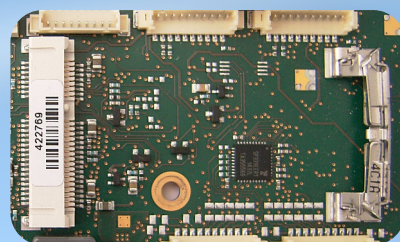
## SPECIFICATIONS

CPU	Intel® 5th Generation Core™ and Intel® Celeron® processors
BIOS	UEFI-BIOS
Max. memory	Up to 16 GB DDR3L dual-channel Memory support up to 1600 MT/s
Gigabit Ethernet	2 Intel® I210 with IEEE1588 1 Intel® I218 Gigabit Ethernet PHY
PCI Express® Mini Card	2 fullsize sockets, 1 with SIM Card socket
M.2 socket	1 Key M, 22 mm x 42 mm (SSD only) (optional 60 mm)
Serial ATA	Up to 3 ports (6G)
USB ports	Up to 8 USB 2.0   2 USB 3.0
COM ports	2 RS-232 2 RS-232/485/422
CAN bus	2 ports, 1 MBit (optional)
SM bus	Yes
Display Port connector	1 port, up to 3200 x 2000 @ 60 Hz
HDMI connector	1 port, up to 4096 x 2304 @ 24 Hz
Sound	HDA, Line In, Line Out, MIC, AUX, SPDIF
Other	GPIO   PWM   TPM (optional, OEM only)
Health monitoring and management	Controllable fan, hardware monitoring and watchdog
Power supply	Min. 8 V / Max. 32 V (DC), internal power or optional 4-pin Mini DIN power connector
Max. operating temp.	0 °C to +60 °C ambient
Max. storage temp.	-20 °C to +80 °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® 10; Microsoft® Windows® 10 IoT Enterprise; Linux (Ubuntu 18.04 LTS, Yocto Kernel Version 4.1)

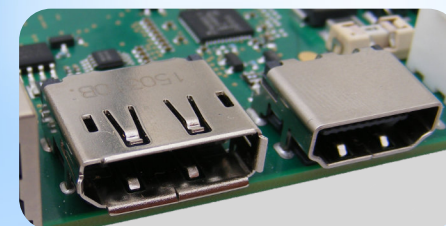
Ordering Code CPU	Description	Type
F97-A	SBC	Celeron® 3765U / 1.9 GHz / 2 MB cache
F97-B	SBC	i3-5010U / 2.1 GHz / 3 MB cache
F97-C	SBC	i5-5350U / 1.8 - 2.9 GHz / 3 MB cache
F97-D	SBC	i7-5650U / 2.2 - 3.1 GHz / 4 MB cache

### other on request

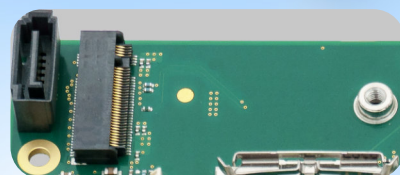
Ordering Code Memory	Description	Size
4GB-F97	Main Memory	4 GB
8GB-F97	Main Memory	8 GB



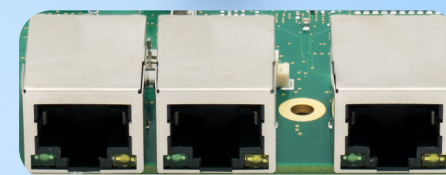
PCI Express® Mini Card Socket with SIM Card support



HDMI and Display Port



SATA and M.2 Mini Card Socket



3 Gigabit Ethernet Ports