

Industrial Panel PC

ControlLine CC3000-IP54 Series

38,1 cm (15") to 48,3 cm (19") Industrial Panel PC
 Intel® Core™ i3 / i5 / i7 (3rd Generation / Ivy Bridge)
 Aluminium Protective Casing
 Front Control Panel
 IP54

HM76
 Intel® Chipset



- **Type designation: ControlLine WM xx-IV70-BFC**
- Touch screen resistive optional
- Protected all around incl. interfaces according to IP54 (against splashing water and foreign material > 1 mm)

- Rugged protective casing (made in Germany) of powder coated aluminum profiles, versatile and customizable
- Various mounting sets with internal cabling
- Many more options: tilt and swivel adaptors, angles, extensions, support arm system for ceiling mount etc.

PERFORMANCE

CPU (Intel® Mobile)	Core™ i3-3120M (2 × 2,5 GHz) Core™ i5-3230M (2 × 2,6 GHz) Core™ i7-3520M (2 × 2,9 GHz)
System memory	max. 2 × 8 GB DDR3
Power input	12 V _{DC} optional 9~36 V _{DC}
Power supply	incl. external, 100–240 V _{AC}

SYSTEM

Chipset	Intel® HM76
Expansion slots	2 × Mini PCIe
Ethernet	2 × Gigabit Ethernet, Broadcom® BCM57780
Graphic	32-bit 3D engine integrated in CPU
Audio	Realtek® ALC888 HD, internal speaker

INTERFACES

RS-232	COM3, COM4
RS-232/422/485	COM1
USB	4 × USB 3.0
PS/2	2 × Mini-DIN (occupied by keyboard)
Ethernet	2 × RJ-45
Graphic	1 × VGA
Audio	line in / out / mic
Internal I/O (pin header onboard only)	3 × RS-232 (COM2/5/6), 4 × USB 2.0, DVI, HDMI, 10 GPIO pins, LPT

DRIVES

Harddisk	min. 500 GB, 2,5" SATA
Solid-state drive	optional min. 60 GB, 2,5" SATA

LCDs

15 =	38,1 cm (15") 4:3	1024 × 768 (250 cd/m ² , 700:1)
17 =	43,2 cm (17") 4:3	1280 × 1024 (350 cd/m ² , 1000:1)
19 =	48,3 cm (19") 4:3	1280 × 1024 (250 cd/m ² , 1000:1)
Touchscreen	optional	resistive

KEYBOARD

Keyboard layout	88 keys, DE / US / FR / IT etc.
Keyswitch technology	short travel keys, tactile feedback and key embossing, chemical resistant, abrasion and scratch resistant
Touchpad	capacitive, 2 mouse keys
Trackball	optional 38 mm trackball, 2 mouse keys
Numeric keypad	optional 104-key layout

CONSTRUCTION

Material	aluminium (powder-coated)
Color	RAL 5010 (blue) + RAL 7035 (grey)
Mounting interface	top + bottom (with internal cabling)
Mounting sets	optional stand (screwed onto the base plate) optional wall-mount hinge optional wall bracket set
Cooling	Ventilation for internal air circulation
Controls	internal Power on/off, reset, brightness adjust

QUALITY / TESTS

Burn-in stress test	min. 24 hours
Production	ESD protected
Quality management	according to ISO 9001:2008
Environmental management	according to ISO 14001:2004
Operating temperature	0–50° C
Warranty	24 months
Service Packages	Tests, installations, adjustments, long-term availability etc. as desired

Version 160427

Errors and changes excepted

