



SIP Voice Patient Station with touch screen



Specifications

- Speech communication from the MS-PC and/or SIP-Touch
- Speech communication with internal speech channels
- Acoustic echo cancellation
- Full Duplex speech communication over SIP (VoIP)

Technical Specifications

- Call, Presence, Assistance, Emergency and Cancellation mode
- Including an iButton-reader for care registration and nurse identification
- Communication with Healthcare software and medical file via TCP/IP
- Communication with Netrix message server via TCP/IP
- Redundant communication via an optional 2nd Netrix
- Communication with Novilog via TCP/IP
- Fully customizable display and on screen call buttons
- Screen is resistive (Can be handled with a pen, glove, etc.)
- On-board memory
- Password protected
- FTP-server present
- Web-server present
- Telnet-server present
- Automatic error reporting (24/7 supervised)
- Remote diagnostics (via browser)
- On screen LocalBus diagnostics

Description

iCall Patient Station. Linux based, Full IP address unit with interactive resistive touch-display with call, presence, emergency (Code blue), assistance and cancellation buttons, iButton-reader for nurse identification/ presence and call cancellation and full-duplex speech (VoIP). Communication with Netrix message server. Includes integrated FTP-server, reassurance & finding LED and buzzer. Is remotely and individually programmable via browser. Up to 50 LocalBus Address modules can be connected (Topology of choice!). Contains also contacts for the connection of ST (andard) devices. Power supply via Power Input, Power Injection and/or POE. Normal Open or Normal Closed. 24/7 supervised.

- Interactive handsfree 2-way communication using Full-duplex SIP-protocol
- Incl. 1 microphone and 2 speakers
- On screen Volume control and Mute-function
- Date, time and patient name indication on screen
- Time synchronization via NTP-server
- Programming via web-server, touch screen or iMaster
- LocalBus connection included for iCall 3XXrange (Max. 50 iCall LB-units)
- Connections included for integration of standard switching material (existing or iCall 4XXrange)
- 6 INput contacts (NO & NC!), 5 OUTput contacts included (integration of external alarms, devices, etc.)
- Domotica features via included contacts
- Service call (via input contact)
- Other features: Weather forecast, Automatic call generator/ Reminder mode
- Can be used as a telephone station (SIPextention)
- Full-colour, real-time event-overview
- On screen language selection
- Exchangeable SD-cared for full programing and settings (easy maintenance)
- Exchangeable CPU-board (easy maintenance)
- Back and Home key
- POE and/or 24V power supply for redundancy or power injected
- Operational LED-indicators
- Automatic screensaver (Optimal energy mode + Night mode)
- Wall mounting
 - Following VDE 0834-1, VDE 0834-2 and according CE-and RoHS- standards







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Indigo Car	' e iCall_Touch V0.2	ع	e.		Pb	
iCall_Touch					read-free	
	te Maximum Ratings !		min	Сур	max	unit
		Vcc (LocalBus)	18	24	30	v
	Supply Voltage	PoE	37		57	v
	H75-R2 - 240	PWR injection	37	48	57	V
4	Supply Current forward	Investa sav	0.00	240	3.0	mA
		frvecto 24v	19	130	1 1	mA
		Investas sov	397	150	8368	mA
		IrpwRinjection 37V	9.0	140	9	mA.
		Inputation 450		145	1.0	mA
		IrpwRinjection 52V	24	125	150	mA
	Output Power Local Bus	lour @240	040	220	0.60	mA
		Page @24V	50+55	5,28	o nen	w
	Operating Temperature (ambient)	Tamb	U	-	70	'n
7	CALCON CONTROL	Vewcus	120	40	1 723	ν
	Maximum reverse voltage	V+Pos/PWR in	1547	60	0.00	×
. 1	Leackage current (reverse)	livicis		-	500 *	μA







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iCall Touch electrical specifications

Symbol Parameter	Mechanical prope	orties							
Marterial Parameter Supply voltage Current concumption Pure recognition Pure	Group	Symbol	Parameter		min	typ	max	unit	
Dimensions W width (Pg Outler dimension housing - 7866,8 - 887 - 888 -	Dimensions	ш	holate (V)	Outer dimension housing	-		-		
Description			-		-		-		
D dispth [2]		w			-		-		
Material Material								_	
Weight M		D	depth (Z)						
Material Material Power concumption Po			depth (2)					mil	
Material Processing material Processin			mass	Total weight			_		
Material	Weight	M			-				
Material Reference Dect 18 3-002 Halfs and September 19 3-002 Halfs and September 19 3-002 Halfs and September 19 3-002 Halfs September 19 3-02 Halfs September 19 3-02 Halfs September							-	pound	
Material Reference Doc 130 14-802 HIPS and								-	
Material Reference Doc : 138 14-002 HIPS.add Seference Doc : 138									
Muterial Reference Doc 1:30 14-002 HIPS.ndf Software - 85					-		-		
Material Reference Doc 138 18-002 laths add					-		-		
Material Districts Careign Karylysis - 85 - Kyrmm Districts Careign Karylysis - 1.04 - g/cm² Colour - 0.104 - g/cm² Colour - 0.104 -								_	
Descript #23 ° C	Material								
PCB									
Description Page					-		-		
PCB					-		-	ki/m²	
Power Symbol Parameter State min typ max unit									
Description Symbol Parameter State min typ max unit			PCB	Type of material				-	
Power Symbol Parameter State min typ max min min typ max min min					T288>	=5', CTE2=<3.7%, Tg>=135	*C		
Vic (local Bus PWR 18									
Vize (pare injection)	Group		Parameter						
Vec (per injection)			Supply voltage						
Power		Vcc (pwr injection)	Supply voitage		37		57	V	
Power			- Current consumption		-		-		
Power					-		-		
Power					-				
Power Prot (LocalBus) Power consumption Voc = 37V - 120 - mA No. 130 - W Voc = 38V - 3,60 - W Voc = 38V - 3,25 - W Voc = 38V - 4,31 - W Voc = 57V - 6,24 - W Voc = 57V - 6,24 - W Voc = 57V - 6,34 - W Voc = 57V - 4,34 - W Voc = 57V - 6,34 - W Voc = 57V - 4,34 - W Voc = 57V - 6,34 - W Voc = 57V - 4,34 - W					-		-		
Pot (LocalBus)					-				
Prot (local Bus)	Power								
Post (pur injection)			- Pawer consumption						
Ptot (prer injection)				Voc = 24V					
Post (part injection)				Vcc = 37V					
Paut LocalBun Cutput Power Local Bus PoE PWR Pout BaW O 180 200 mA									
Post							-		
Vpoepd Voltage range (at PD) 37 48 57 V		-		Vcc out LB 24V	0		200	mA	
Vice-pies		Pout (Localibus)	Output Power Local Bus (PoE PWR)				4,8		
Vice-pies		Voce-od	Voltage range (at PD)		37	48	57	v	
Pose Reable Maximum cable resistance - 20 - 0						-		_	
Imax									
Ppd									
Page	DoF.								
Power classification Supported standards S02.3af Standards <u>A</u> (PWR over spare)					-			_	
Supported standards Supported Su		Fuse							
Vih									
Vih									
Vii		V.	Supported Cabing	logic 4	2.7			v	
No			Input voltage range			3-24			
		VII				0.15			
Main	₩o -	le-	loguet gurront (rink)						
Rih-dc DC input resistance Input active - 25 - kΩ		lin	Input current (sink)						
Second S		Dibade	DC input contents						
Vo Output voltage range (applied to open-collector output) S 24 45 V							-		
U relay Relay switching voltage max DC / AC peak - - 48 V							AE.	_	
Trelay Relay switching current max DC / AC peak - - 500 mA									
R relay						-		_	
- relay life expectancy - 100 x 10 ⁴ - cycles Po Output Power THD = 1%, f = 1 kHz - 2 x 1,4 - W Av Closed-loop Gain - 18 - d8 THD + N Total Harmonic Distortion + Noise PO = 1 W, 8 O, f = 1 kHz - 0,4 - % Fs Sample Rate (audio) - 44,1 - kHz					-	-			
Po				measured @ 10mA					
Ax Closed-loop Gain - 18 - d8 audio THD + N Total Harmonic Distortion + Noise PO = 1 W, 8 O, f = 1 kHz - 0,4 - % Fs Sample Rate (audio) - 64,1 - kHz								_	
Bodio THD+N Total Harmonic Distortion + Noise PO = 1 W, 8 Q, f = 1 kHz - 0,4 - % FS Sample Rate (audio) - 44,1 - kHz				THD = 1%, f = 1 kHz	-		-		
Fs Sample Rate (audio) - 44,1 - kHz					-		-		
	audio			PO=1W,8Ω,f=1kHz					
Few Average Switching Frequency Class-D stereo amplifier - 420 - 1412									
		Fxw	Average Switching Frequency	Class-D stereo amplifier		420	-	kHz	







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General propertie	es						
Group		arameter	condition	min	typ	max	unit
		Core			ARM 926EJ-S		-
	0	PU Speed			400		MHz
		I/D Cache			16K I/D		Byte
		chip SRAM			128		Kbyte
microprocessor	ADC				12		bit
-		120			yes		-
		UART			yes		
+	SSI/I2S				yes		
		ed SIP Methods		INVITE : AC	K; BYE; CANCEL; OPTION	S : REGISTER : I	NEO
		ted SIP Codecs			G711-A; G711-μ	,	
		ported DTMF			yes		Ι.
		ility with softphone			yes		
SIP		Cancellation			yes		-
		mple Rate			8		kHz
		Data Format			8		Bit
		SIP Stack			AMSIP		-
		size (diagonal)			7		inch
	Display Format (resolution)				800 x 480		dots
	Dot Pitch				0,0635 (H) x 0,1905 (V)		mm
	Active Area				152,4 (H) x 91,44 (V)		mm
	Back Light				LED		-
	Touch technology				Resistive		
7"Touch	Touch Activation Force		8mm dia. silicon finger		10 - 100		g
	Contrast Ratio		optimized viewing angle	250	400		-
	Contract Heats		X + (horiz)	65	70	-	deg
			X - (horiz)	65	70	-	deg
	Vie	wing Angle	Y+(vert)		60	-	deg
			Y-(vert)	55	60		deg
	В	rightness	X = Y = 0°; at 40cm		250	-	cd
Thermal propertie		ing incircus	11-1-0 10140011		270		
Group	Symbol	Parameter	refers to	min	typ	max	unit
огоор	- Opinion	1 desembles	10,010,00	0	25	70	°C
Thermal	Tamb	Operating temperature	ambiant	32	77	158	"F
	-	flamability rating	plastic		V?	120	+ :
Timing specificati		The same of the same	paric		V		
Group	Symbol	Parameter	condition	min	typ	max	unit
	Thoot	Boot time		-	65		5
	Tacreen	Time screen comes up at boot			7		5
	Tscreen_resp	Screen optical response time			10		ms
	Treact	Reaction time resistive touch			5,4		μs
Regulations	11000	needon time remove touch			2/7		l ho
- Santana	Parameter		condition		Compliance		T
EMC				not yet			
ESD				-			_
	ESD				not yet		

