

the list, and the un-shaded are included here for illustrative purposes only and may not be accurate. The Read-Only/Privileged-Write status, Signed/Unsigned status and parameter data size should be confirmed by requesting the Parameter Control Word (PCW) from the addressed unit.

PIC	PIC Name	Std Units	Loc.	Default Value	Description
0	Reserved				
1	User Diagnostics KeyCode		C(U)		Eight digit (4 bytes) key-code to enable User Diagnostics.
2	Maximum Transmission Size (in bytes)	Bytes	M		One byte indicating maximum length on Diagnostics messages, including SID and checksum bytes.
3	Internal Temperature	0.1°C	R ^K		Internal Temperature
4	Low Temperature Alarm Limit	0.1°C	C(U)	-300	Low Temperature Alarm Limit
5	High Temperature Alarm Limit	0.1°C	C(U)	650	High Temperature Alarm Limit
6	RSSI	0.1dBm	R ^K		RSSI
7	Low RSSI Alarm Limit	0.1dBm	C(U)	-1050	Low RSSI Alarm Limit
9	FwdTxPower	0.1dBm	R ^K		Forward Tx Power
10	Low FwdTxPower Alarm Limit	0.1dBm	C(U)	270	Low Forward Tx Power Alarm Limit
11	High FwdTxPower Alarm Limit	0.1dBm	C(U)	330	High Forward Tx Power Alarm Limit
12	Supply Volts	0.1volts	R ^K		Supply Volts
13	Low Supply Volts Alarm Limit	0.1volts	C(U)	110	Low Supply Volts Alarm Limit
14	High Supply Volts Alarm Limit	0.1volts	C(U)	160	High Supply Volts Alarm Limit
15	RxFreqError	Hertz	R ^K		Rx Frequency Indication
16	Low RxFreqError Alarm Limit	Hertz	C(U)	-2500	Low Rx Frequency Indication Alarm Limit
17	High RxFreqError Alarm Limit	Hertz	C(U)	2500	High Rx Frequency Indication Alarm Limit
18	RevTxPower	0.1dBm	R ^K		Reverse Tx Power
19	High RevTxPower Alarm Limit	0.1dBm	C(U)	100	High Reverse Tx Power Alarm Limit
23	BaseStationFwdTxPower	0.1dBm	R ^K		Base Station Forward Tx Power
24	Low BaseStationFwdTxPower Alarm Limit	0.1dBm	C(U)	340	Low Base Station Forward Tx Power Alarm Limit
25	High BaseStationFwdTxPower Alarm Limit	0.1dBm	C(U)	400	High Base Station Forward Tx Power Alarm Limit
26	BaseStationRevTxPower	0.1dBm	R ^K		Base Station Reverse Tx Power
27	High BaseStationRevTxPower Alarm Limit	0.1dBm	C(U)	100	High Base Station Reverse Tx Power Alarm Limit
28	DriftOffset	0.1ppm	C(U)	0	Frequency Drift Offset

PIC	PIC Name	Std Units	Loc.	Default Value	Description
29	PTT TimeLimit	sec	C(U)	0	PTT Time Limit
30	ChannelAccessSlotTime	mSec	C(U)	5	Channel Access Slot Time
31	ChannelAccessSlotNum		C(U)	16	Channel Access Slot Number
32	PortA SID1		C(U)	49	
33	PortA SID2		C(U)	49	
34	PortB SID1		C(U)	50	
35	PortB SID2		C(U)	50	
36	PortD SID0		C(F)	0	
37	PortD SID1		C(U)	0	
38	PortD SID2		C(U)	0	
39	PortA PAD EndOfMessage Code		C(U)	13	ASCII "carriage-return"
40	PortB PAD EndOfMessage Code		C(U)	13	ASCII "carriage-return"
41	PortA PAD InputTimer	mSec	C(U)	0	
42	PortB PAD InputTimer	mSec	C(U)	0	
43	PortA PAD MaxFrameSize		C(U)	0	
44	PortB PAD MaxFrameSize		C(U)	0	
45	PortA Port/Driver Config.		C(U)	0x0506	16bit bit-field (see Port Driver Configuration section at end)
46	PortB Port/Driver Config.		C(U)	0x0606	16bit bit-field(see Port Driver Configuration section at end)
47	RealTimeTicker	0.01sec	R ^K		
48	TxFramCnt		R ^K		
49	TxByteCnt		R ^K		
50	RSSlgoodTicker	0.01sec	R ^K		
51	BadFrameCnt		R ^K		
52	GoodFrameCnt		R ^K		
53	GoodByteCnt		R ^K		
54	LostSyncCnt		R ^K		
55	LostRSSlcnt		R ^K		
56	Exception Report Control		C(U)	0	
57	Exception Report Address		C(U)	FFFFFF	
58	Exception Report Period	sec	C(U)	0	
59	Exception Report Retry		C(U)	0	
61	BaseStationErrorFlags		R		Bit field (unassigned)
62	Transmit Frequency	Hertz	C(U)	455000000	
63	Receive Frequency	Hertz	C(U)	450000000	
64	Programmed Tx Power	0.1dBm	C(U)	300	
76	RssiThreshold	0.1dBm	C(U)	-1050	
77	RssiHysteresis	0.1dBm	C(U)	40	
91	CPLD RevisionCode		R		
98	Session Code		R		
99	Diagnostics Address		C(F)		4bytes with leading 00
100	System Config0		C(U)	0x24	8 bit flag field (see below)
101	System Config1		C(U)	0x04	8 bit flag field (see below)
102	System Config2		C(F)	0x08	8 bit flag field (see below)
104	RunTime Tx Power	0.1dBm	R		Used for real time TxPwr setting
105	DSP_ConfigRecNr		C(U)		This should be defined with the correct default by production tools.
113	SupChnRate		C(U)	0	Hi:Lo nibbles = Rx:Tx
116	HotStandByFirmwareVersion		R		Retrieved as Long (see

PIC	PIC Name	Std Units	Loc.	Default Value	Description
					below)
117	TxFreqLowLimit	Hertz	C(F)		BuildDependant advisory limit
118	TxFreqHighLimit	Hertz	C(F)		BuildDependant advisory limit
119	RxFreqLowLimit	Hertz	C(F)		BuildDependant advisory limit
120	RxFreqHighLimit	Hertz	C(F)		BuildDependant advisory limit
121	Default Diags/Prog Watchdog	Sec.	C(U)	0	For remote programming support
122	Processor Module Description String		M		Text string, 1 st byte is length of following ASCII string.
123	BaseUserInputImage	Flags	R		Byte. B0: Input1 B1: Input2 B2-B7: unused
124	BaseUserOutputImage	Flags	R		Byte. B0: Output1 B1: Output2 B2: Output3 (EH only) B3-B7: unused
125	BaseControl	Flags	R		8 bits
126	BaseSerial Number		R		4 bytes, right justified
127	BaseBuildFile		R		word
143	Main Board Identification String		C(F)		Text string, 1 st byte is length.
146	RealTimeDriftOffset	Hertz	R		
147	Drift Freq. Trim Gain	ppb	C(F)		In "parts-per-billion" per LSB of DriftOffset
148	Run Time RSSI Threshold	0.1dBm	R		Used for real time RSSI/Mute setting
149	Run Time RSSI Hysteresis	0.1dB	R		Used for real time RSSI/Mute setting
150	Hot Standby Serial Number		R		4 bytes (a.b.c.d)
151	Hot Standby Build File		R		word
156	DSP Firmware Version		R		2 bytes (a.b)
157	DSP Firmware Revision		R		2 bytes (c.d)
161	BaseStation Controller Firmware Version		R		Retrieved as Long (see below)
180	Min Programmer RevisionCode		M		
181	Preferred Programmer RevisionCode		M		
183	Absolute Min TxFreq	Hz	C(F)		Build Dependant
184	Absolute Max TxFreq	Hz	C(F)		Build Dependant
185	Absolute Min RxFreq	Hz	C(F)		Build Dependant
186	Absolute Max RxFreq	Hz	C(F)		Build Dependant
187	Absolute Min DriftOffset		C(F)		
188	Absolute Max DriftOffset		C(F)		
189	Error Flags		R		Bit field: Bit0 = PTT timeout Bit1 = TxPwrFoldBack

PIC	PIC Name	Std Units	Loc.	Default Value	Description
					Bit2-Bit7 (unassigned)
190	Firmware Package Version String		M		Text string. If retrieved with <u>Get</u> command 1 st byte is length of following ASCII string.
191	BaseStationProductVersion		R		Retrieved as Long (see below)
192	HotStandbyProductVersion		R		Retrieved as Long (see below)
193	IF Filter Type		C(F)		Indicates Narrow/ Wide IF filter installed. This field may be enhanced to include specific approval at a later stage. 1: GE (12.5kHz ACA/FCC) 2: DD (25kHz ACA) 3: GG (12.5kHz ETSI)
196	Controller Firmware BuildNr.		R		
197	DSP Firmware BuildNr.				
198	System Status Flags		R		Bit field, see below
200	MaxTxPwr	0.1dB	C(F)		
201	ConfigCompatCode		C(U)		
222	DSP ConfigRecordVersion		R		
223	DSP RF bit rate	bps	R		
225	RSSI Measurement Conversion serial number		R		
226	RxGoodFrameCntLSB		R		LSB of PIC52
227	RSSIMeasurementTimestamp	0.01sec	R ^K		
228	TxPwrM'mentTimestamp	0.01sec	R ^K		
229	HSC SwapCount		R		
231	ForceTimer	1 sec	R		
232	ForceOnline (HSC)				Bit
233	ResetPanelAlarms (HSC)				Bit
234	UserOutputBit0				Bit
235	UserOutputBit1				Bit
236	UserOutputBit2				Bit
255	UserOutputImage		R		For HSC
256	PTThold		C(U)		For Non-Packet mode
257	PTTdelay		C(U)		For Non-Packet mode
258	CTSdelay		C(U)		For Non-Packet mode
330	StreamTranslateList		C(U)		
331	StreamTranslateEnableMask		C(U)		
332	TailDiags Destn. Addr		C(U)		
333	TailDiags PIC List		C(U)		
334	Length of TailDiags PIC List		C(U)		
335	Version of TailDiags PIC List		C(U)		
336	Report Time for TailDiags		C(U)		
337	Refresh Time for TailDiags		C(U)		
338	TailDiags SID		C(U)		

Notes on Loc. Column:-

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