iPECS Port Number Usage (iPECS eMG80) Версии R2…; R3….

Module	Purpose	Port	Protocol	
KSU	IPKTS Protocol (Unicast)	5588	UDP	
	IPKTS Protocol (Multicast - IP 239.20.19.50)	6254	UDP	
(MBUA, MBUI)	MOH / PAGING (Multicast - IP 239.20.19.XX) Note	8100 - 8171 8700 - 8701	UDP	
	H.323: Incoming Server	1720	TCP	
	H.323: Q.931 Outgoing/H.245 Control	2048 - 3071	TCP	Changeable Note2)
	H.323: Gatekeeper Registeration	2048 - 3071	UDP	Changeable Note2)
	Audio Channels - P1 (RTP/RTCP)	7000 - 7015	UDP	Changeable Note2)
	Video Channels - P1 (RTP/RTCP)	7016 - 7031	UDP	Changeable Note2)
	Audio Channels - P2 (RTP/RTCP)	7100 - 7115	UDP	Changeable Note2)
	Video Channels - P2 (RTP/RTCP)	7116 - 7131	UDP	Changeable Note2)
	Audio Channels - H.323 (RTP/RTCP)	7100 - 7115	UDP	Changeable Note2)
	Video Channels - H.323 (RTP/RTCP)	7116 - 7131	UDP	Changeable Note2)
	T.38 Fax Relay	7132 -7147	UDP	Changeable Note2)
	TCP Maintenance	5003	TCP	
	HTTPS Server	443	TCP	
	HTTP Server	80	TCP	
	TFTP Server	69	UDP	
	FTP Server	21	TCP	
	FTP Server (Passive Mode)	9700~9708	TCP	
	SIP Protocol	5060	UDP	

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VVMU	H.323: Incoming Server	1720	TCP	
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	H.323: Gatekeeper Registeration	2048 - 3071 Note2)	UDP	Changeable Note2)
	Audio Channels - P1 (RTP/RTCP)	7000 - 7015	UDP	Changeable Note2)
	Video Channels - P1 (RTP/RTCP)	7016 - 7031	UDP	Changeable Note2)
	Audio Channels - P2 (RTP/RTCP)	7100 - 7115	UDP	Changeable Note2)
	Video Channels - P2 (RTP/RTCP)	7116 - 7131	UDP	Changeable Note2)
	Audio Channels - H.323/SIP (RTP/RTCP)	7100 - 7115	UDP	Changeable Note2)
	Video Channels - H.323/SIP (RTP/RTCP)	7116 - 7131	UDP	Changeable Note2)
	T.38 Fax Relay	9200 - 9215	UDP	Changeable Note2)
	Data Forwarding (for VideoPhone Application Sha	8500 - 8515	TCP	Changeable Note2)
	TCP Maintenance	5003	TCP	Changeable Note2)
	HTTP Server	80	TCP	Changeable Note2)

Note1) XX is changed from the different port number, that can be changed in PGM 165(Multicast RTP/RTCP Port Setting).
Note2) Refer to Management of Ports Range

Management of Ports Range

1. Print Current Usage of Ports Range at Maintenace Mode

VVMU rev: 1.0Ba, Nov 11 2013
DATE: 12/02/13
TIME: 09:57:17
ENTER PASSWORD: ***

maint> rp info

```
   ------------------------------------------------------------
 0 6000  6016  8000  8016  9000  9016  9200  50016 50000
 1 6002  6018  8002  8018  9002  9018  9202  50018 50002
 2 6004  6020  8004  8020  9004  9020  9204  50020 50004
 3 6006  6022  8006  8022  9006  9022  9206  50022 50006
   ------------------------------------------------------------
 4 6008  6024  8008  8024  9008  9024  9208  50024 50008
 5 6010  6026  8010  8026  9010  9026  9210  50026 50010
 6 6012  6028  8012  8028  9012  9028  9212  50028 50012
 7 6014  6030  8014  8030  9014  9030  9214  50030 50014
```

2. Change Ports Range at Maintenace Mode
   After change one of port range, the system should be restarted to be it applied.

2-1) Change H.323 Ports (command: proxy h323ports *start-port-number*)
The range is computed automatically with its max. channel number.

2-2) Change Data Sharing Ports (command: proxy dataports *start-port-number*)
The range is computed automatically with its max. channel number.

2-2) Change Media Stream (RTP/RTCP) Ports (command: proxy rtpports *start-port-number*)
The range is computed automatically with its max. channel number.

3. Check of Changed Ports Range
Use command "proxy get" and check of red box at below picture.

```
maint> proxy rtpports 10000

maint> proxy get
 signal proxy info:
   sip proxy mode=client
   sip proxy ip=0.0.0.0
        q931 ports: 2048..2559
        h245 ports: 2560..3071
         ras ports: 2048..3071
        data ports: 8500..8515
         rtp ports: P1  10000..10031
                    P2  10032..10063
                    SIG 10064..10095
                    T38 10096..10111
    gateway prefix: 9
   h323 proxy mode: client
     h323 proxy ip: 0.0.0.0
 media proxy info:
   proxy mode=client
   proxy ip=0.0.0.0
   media client=10.10.10.10:10000..10111
```